

**1952  
CATALOG  
STANCOR  
TRANSFORMERS**

**FOR  
TELEVISION • RADIO  
INDUSTRIAL • MILITARY  
AND OTHER ELECTRONIC  
APPLICATIONS**

**DISTRIBUTED BY**





# NUMERICAL INDEX and PRICE LIST

All Prices Subject to Change Without Notice

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|-------------|----------|------------|-------------|----------|------------|-------------|----------|------------|-------------|----------|------------|-------------|----------|------------|-------------|----------|------------|-------------|----------|------------|----------|----------|--------|
| A-52C       | 6        | \$2.50     | A-3849      | 4-9      | \$2.85     | ‡A-4734     | 12       | \$3.90     | C-1001      | 3-16     | \$4.10     | DY-9        | 3        | \$10.75    | P-5065      | 20       | \$16.00    | P-6474      | 15       | \$7.00     | PC8409   | 14       | \$8.85 |
| A-53        | 6        | 2.40       | A-3850      | 4-9      | 3.25       | A-4742      | 6        | 4.15       | C-1002      | 16       | 3.00       | DY-10       | 3        | 10.75      | P-6001      | 15       | 7.95       | P-6476      | 15       | 7.10       | PC8410   | 2-14     | 9.65   |
| A-53C       | 6        | 2.45       | A-3851      | 8        | 9.55       | A-4743      | 6        | 5.70       | C-1003      | 12-16    | 2.25       | FC-10       | 4        | 7.50       | ‡P-6002     | 15       | 9.90       | ‡P-8025     | 18       | 63.65      | PC84112  | 14       | 11.55  |
| A-62C       | 6        | 2.75       | A-3852      | 4-9      | 3.65       | A-4744      | 6        | 2.55       | C-1034      | 12       | 3.35       | FC-11       | 4        | 10.75      | P-6003      | 15       | 11.30      | ‡P-8026     | 18       | 60.55      | PC8412   | 14       | 13.25  |
| A-63C       | 6        | 2.75       | A-3853      | 8        | 5.25       | ‡A-4745     | 6        | 7.50       | C-1080      | 3-16     | 1.95       | *FC-12      | 4        | 7.50       | P-6004      | 15       | 10.20      | ‡P-8027     | 18       | 71.60      | PC84132  | 14       | 16.30  |
| A-64C       | 6        | 3.25       | A-3854      | 8        | 5.85       | *A-4747     | 6        | 3.20       | C-1215      | 3-16     | 1.85       | HF-20       | 5        | 28.75      | P-6005      | 15       | 7.75       | ‡P-8028     | 18       | 64.10      | PC8414   | 14       | 16.40  |
| A-73C       | 6        | 3.45       | A-3856      | 4-9      | 2.65       | *A-4748     | 6        | 2.75       | C-1227      | 16       | 2.25       | HF-20X      | 5        | 36.80      | P-6006      | 15       | 13.20      | ‡P-8029     | 18       | 99.40      | PC8417   | 14       | 6.70   |
| ‡A-83C      | 6        | 5.85       | A-3857      | 8        | 2.30       | A-4752      | 12       | 4.00       | C-1277      | 16       | 2.25       | HF-22       | 5        | 32.20      | P-6007      | 15       | 12.50      | ‡P-8030     | 18       | 70.70      | PC8418   | 14       | 5.95   |
| ‡A-103C     | 6        | 6.85       | A-3859      | 8        | 5.65       | A-4761      | 12       | 14.75      | C-1279      | 16       | 2.00       | HF-22X      | 5        | 40.25      | P-6008      | 3-15     | 14.20      | ‡P-8031     | 18       | 97.85      | PC8419   | 14       | 6.80   |
| ‡A-2201     | 8        | 4.25       | A-3860      | 8        | 6.35       | A-4762      | 12       | 13.90      | C-1325      | 3-16     | 2.10       | HF-29       | 5        | 27.60      | ‡P-6009     | 15       | 11.85      | ‡P-8032     | 18       | 83.65      | PC8420   | 14       | 7.60   |
| ‡A-2203     | 8        | 3.35       | A-3865      | 8        | 3.00       | A-4763      | 12       | 17.20      | C-1333      | 16       | 2.00       | HF-31       | 5        | 27.60      | P-6123      | 20       | 80.95      | ‡P-8033     | 18       | 122.40     | PM8401   | 14       | 6.15   |
| A-2312      | 8        | 3.15       | ‡A-3868     | 13       | 9.95       | A-4765      | 12       | 15.25      | C-1355      | 16       | 2.75       | HF-32       | 5        | 35.65      | P-6124      | 20       | 44.50      | ‡P-8034     | 18       | 119.00     | PM8402   | 14       | 6.80   |
| A-2313      | 4-8      | 3.10       | A-3870      | 4-9      | 4.50       | ‡A-4766     | 12       | 16.95      | C-1400      | 16       | 6.25       | HF-40       | 5        | 28.75      | P-6125      | 20       | 64.90      | ‡P-8035     | 18       | 130.00     | PM8403   | 2-14     | 7.65   |
| A-2855      | 9        | 4.70       | A-3871      | 13       | 5.90       | A-4770      | 9        | 7.00       | C-1401      | 16       | 7.15       | HF-65       | 5        | 32.20      | P-6131      | 15       | 8.90       | P-8040      | 18       | 16.85      | PM8404   | 14       | 8.60   |
| ‡A-2907     | 13       | 19.35      | A-3872      | 8        | 6.20       | A-4773      | 6        | 6.90       | C-1402      | 16       | 9.50       | HF-67       | 5        | 23.00      | P-6133      | 17       | 5.15       | P-8041      | 18       | 18.25      | PM8405   | 14       | 9.50   |
| ‡A-2908     | 13       | 20.80      | ‡A-3873     | 13       | 9.60       | A-4774      | 6        | 4.15       | C-1403      | 16       | 11.95      | HF-68       | 5        | 57.50      | P-6134      | 3-17     | 2.70       | P-8042      | 18       | 26.95      | PM8406   | 14       | 6.25   |
| A-3250      | 9        | 4.50       | A-3876      | 4-8      | 1.75       | ‡A-4777     | 6        | 8.60       | C-1404      | 16       | 17.50      | P-1834      | 3-17     | 12.90      | P-6135      | 17       | 6.40       | P-8043      | 18       | 50.15      | PM8407   | 2-14     | 6.90   |
| ‡A-3301     | 8        | 9.25       | A-3877      | 4-8      | 1.85       | A-5528      | 8        | 7.25       | C-1405      | 16       | 36.00      | P-3005      | 15       | 17.95      | P-6137      | 17       | 10.25      | ‡P-8045     | 18       | 53.95      | PM8408   | 2-14     | 7.95   |
| A-3303      | 4-8      | 8.65       | A-3878      | 4-8      | 1.80       | A-7947      | 9        | 2.95       | C-1410      | 3-16     | 5.70       | P-3020      | 17       | 13.25      | P-6138      | 17       | 8.15       | P-8130      | 17       | 4.65       | PM8409   | 2-14     | 8.85   |
| A-3304      | 8        | 8.75       | A-3879      | 4-8      | 1.75       | A-7949      | 9        | 3.85       | C-1411      | 3-16     | 6.50       | P-3024      | 17       | 6.80       | P-6139      | 17       | 8.45       | P-8150      | 14       | 9.75       | PM8410   | 2-14     | 9.65   |
| ‡A-3306     | 8        | 9.95       | A-3880      | 4-9      | 5.40       | A-8050      | 5        | 18.10      | C-1412      | 3-16     | 9.50       | ‡P-3025     | 17       | 19.75      | P-6141      | 20       | 21.00      | P-8151      | 14       | 14.80      | PM84112  | -1411.55 |        |
| A-3307      | 8        | 10.25      | A-3881      | 8        | 1.95       | A-8051      | 5        | 18.10      | C-1413      | 16       | 12.15      | P-3026      | 17       | 6.80       | P-6143      | 15       | 13.50      | P-8154      | 2        | 16.35      | PM84122  | -1413.25 |        |
| A-3310      | 8        | 7.30       | A-3882      | 9        | 8.25       | A-8052      | 5        | 18.10      | C-1414      | 16       | 17.50      | P-3060      | 17       | 6.25       | P-6144      | 17       | 10.35      | P-8155      | 2        | 9.80       | PM8418   | 2-14     | 5.95   |
| A-3311      | 8        | 8.25       | A-3883      | 9        | 4.25       | A-8053      | 5        | 18.10      | C-1415      | 16       | 40.50      | P-3062      | 17       | 5.75       | P-6146      | 15       | 10.40      | P-8156      | 2        | 26.50      | PM8419   | 2-14     | 6.80   |
| A-3315      | 9        | 10.00      | A-3885      | 8        | 11.25      | A-8054      | 5        | 18.10      | C-1420      | 16       | 4.90       | P-3064      | 3-17     | 5.80       | P-6160      | 20       | 17.25      | P-8157      | 2        | 22.80      | PM8420   | 14       | 7.60   |
| A-3327      | 8        | 2.20       | A-3890      | 9        | 7.20       | *A-8056     | 5        | 18.10      | C-1421      | 16       | 5.60       | P-4004      | 15       | 15.80      | P-6161      | 20       | 32.50      | P-8158      | 2        | 14.00      | PS841514 | 2.90     |        |
| A-3328      | 8        | 1.85       | A-3891      | 13       | 12.00      | A-8060      | 5        | 18.10      | C-1515      | 16       | 2.00       | P-4019      | 17       | 6.55       | P-6164      | 17       | 5.30       | P-8159      | 2        | 21.35      | PS841614 | 3.60     |        |
| A-3329      | 8        | 1.75       | A-3892      | 13       | 15.20      | A-8061      | 5        | 18.10      | C-1645      | 16       | 8.25       | P-4022      | 17       | 11.40      | P-6166      | 15       | 14.90      | P-8160      | 2        | 18.40      | PT831118 | 22.30    |        |
| A-3330      | 4-8      | 2.10       | A-3893      | 13       | 14.75      | A-8062      | 5        | 18.10      | C-1646      | 3-16     | 8.15       | P-4026      | 17       | 3.25       | P-6287      | 20       | 8.40       | P-8161      | 2        | 23.75      | PT831218 | 36.90    |        |
| A-3332      | 4-8      | 1.45       | A-3894      | 13       | 19.90      | A-8063      | 5        | 18.10      | C-1702      | 16       | 8.25       | ‡P-4042     | 15       | 11.90      | ‡P-6290     | 15       | 13.60      | P-8162      | 2        | 17.00      | PT831318 | 36.30    |        |
| A-3333      | 9        | 12.95      | A-3898      | 13       | 62.50      | A-8064      | 5        | 18.10      | C-1703      | 3-16     | 8.25       | ‡P-4043     | 15       | 13.05      | P-6298      | 20       | 49.50      | P-8163      | 2        | 21.90      | PT831418 | 41.50    |        |
| A-3334      | 9        | 15.70      | A-3899      | 13       | 124.50     | *A-8066     | 5        | 18.10      | C-1706      | 3-16     | 1.65       | ‡P-4047     | 15       | 11.20      | P-6299      | 20       | 16.85      | *P-8164     | 2        | 18.25      | PT831518 | 41.15    |        |
| *A-3335     | 8        | 4.00       | A-4155      | 6        | 5.80       | A-8101      | 9        | 2.00       | C-1707      | 3-16     | 1.80       | ‡P-4048     | 15       | 12.55      | P-6301      | 15       | 4.60       | *P-8165     | 2        | 25.30      | PV644120 | 19.95    |        |
| *A-3336     | 8        | 2.40       | A-4206      | 6        | 8.70       | *A-8102     | 9        | 4.10       | C-1708      | 16       | 2.75       | P-4060      | 15       | 5.95       | P-6302      | 17       | 24.60      | *P-8166     | 2        | 26.85      | PV644220 | 25.35    |        |
| A-3496      | 8        | 2.90       | A-4208      | 6-12     | 7.40       | *A-8103     | 9        | 5.70       | C-1709      | 3-16     | 3.10       | P-4061      | 15       | 5.90       | ‡P-6305     | 17       | 30.70      | *P-8167     | 2        | 25.20      | PV644320 | 31.60    |        |
| A-3800      | 8        | 7.90       | A-4210      | 12       | 6.60       | *A-8104     | 9        | 5.40       | C-1710      | 16       | 4.50       | P-4062      | 15       | 6.50       | P-6308      | 17       | 6.95       | *P-8168     | 2        | 23.55      | PV644420 | 46.35    |        |
| A-3801      | 8        | 9.50       | A-4212      | 12       | 6.90       | A-8110      | 4        | 2.75       | C-1718      | 16       | 5.60       | P-4063      | 15       | 8.25       | P-6309      | 17       | 12.90      | *P-8169     | 2        | 21.50      | WC-5     | 4        | 1.90   |
| A-3802      | 8        | 12.95      | A-4292      | 12       | 2.85       | A-8111      | 4        | 2.50       | C-1720      | 16       | 11.75      | P-4064      | 15       | 10.40      | ‡P-6315     | 2-15     | 17.70      | *P-8170     | 2        | 20.35      | WF-20    | 5        | 17.25  |
| A-3808      | 13       | 16.60      | A-4350      | 6        | 5.90       | A-8112      | 3        | 4.00       | C-1721      | 3-16     | 7.45       | P-4065      | 15       | 9.90       | P-6317      | 18       | 15.20      | *P-8171     | 2        | 20.85      | WF-21    | 5        | 18.40  |
| A-3812      | 13       | 3.25       | A-4351      | 6        | 6.30       | A-8113      | 3        | 4.05       | C-1722      | 3-16     | 12.00      | P-4082      | 17       | 6.40       | P-6318      | 18       | 17.30      | *P-8181     | 4        | 3.95       | WF-22    | 5        | 17.25  |
| A-3818      | 9        | 4.95       | A-4352      | 6        | 5.50       | *A-8114     | 4-8      | 2.40       | C-1723      | 16       | 1.75       | P-4083      | 17       | 6.70       | P-6333      | 17       | 11.40      | *P-8185     | 14       | 11.80      | WF-24    | 5        | 16.10  |
| A-3820      | 9        | 13.45      | A-4404      | 12       | 8.65       | A-8115      | 3        | 6.00       | C-2301      | 12       | 5.60       | ‡P-4086     | 17       | 22.50      | P-6338      | 17       | 9.80       | *P-8190     | 3-17     | 3.45       | WF-26    | 5        | 14.95  |
| A-3822      | 9        | 2.50       | A-4407      | 6        | 11.60      | A-8116      | 3        | 5.50       | C-2302      | 15       | 8.30       | P-4088      | 17       | 4.95       | P-6383      | 20       | 18.40      | *P-8191     | 3-17     | 3.70       | WF-28    | 5        | 16.10  |
| A-3823      | 4-9      | 2.85       | A-4416      | 12       | 7.70       | A-8119      | 3        | 10.40      | C-2303      | 3-16     | 2.80       | P-4089      | 17       | 7.50       | P-6385      | 20       | 29.80      | ‡P-9920     | 18       | 203.40     | WF-30    | 5        | 17.25  |
| A-3824      | 4-9      | 4.50       | A-4701      | 12       | 8.50       | A-8120      | 4        | 3.90       | C-2304      | 3-16     | 2.90       | P-4091      | 17       | 8.90       | P-6387      | 20       | 51.10      | PA842114    | 4.75     |            | WF-34    | 5        | 17.25  |
| A-3825      | 4-9      | 3.60       | A-4702      | 12       | 6.50       | A-8121      | 4        | 3.20       | C-2305      | 16       | 4.25       | P-4092      | 17       | 9.25       | P-6389      | 20       | 65.85      | PC830118    | 10.65    |            | WF-35    | 5        | 16.10  |
| A-3829      | 13       | 21.00      | A-4703      | 12       | 8.40       | A-8122      | 4        | 3.90       | C-2307      | 16       | 13.75      | P-4096      | 17       | 8.25       | P-6390      | 20       | 91.10      | PC830218    | 13.65    |            | WF-36    | 5        | 17.25  |
| A-3830      | 4-9      | 4.90       | A-4705      | 6        | 2.90       | A-8123      | 3        | 3.75       | C-2308      | 16       | 12.50      | P-4097      | 17       | 8.95       | *P-6410     | 20       | 9.35       | PC830318    | 17.30    |            | 20-337   | 9        | .50    |
| A-3831      | 8        | 3.05       | A-4706      | 6        | 2.95       | A-8124      | 4        | 3.75       | C-2309      | 3-16     | 3.50       | P-5000      | 17       | 7.90       | P-6415      | 4-20     | 27.50      | PC830418    | 19.35    |            |          |          |        |
| A-3833      | 6        | 3.90       | A-4708      | 6        | 3.90       | *A-8125     | 4        | 2.45       | C-2317      | 13       | 7.40       | P-5002      | 17       | 23.65      | *P-6425     | 14       | 4.75       | PC830518    | 20.20    |            |          |          |        |
| A-3835      | 13       | 10.25      | A-4709      | 6        | 6.90       | A-8127      | 3        | 9.25       | C-2325      | 3-16     |            |             |          |            |             |          |            |             |          |            |          |          |        |



# TELEVISION

## POWER TRANSFORMERS

ALL PRIMARIES FOR 117V, 60 CYCLE OPERATION

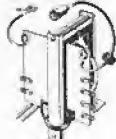
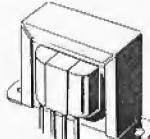
| PART NO.        | AC VOLTS               | PLATE SUPPLY DCMA | MAX. DCMA | RECT. FIL. VOLTS           | FIL. AMPS.         | OTHER VOLTS                     | FILS. AMPS.              | HEIGHT OVERALL | BASE AREA | MTG. CTRS. | MTG. TYPE | SHPG. WT. IN LBS. | LIST PRICE     |
|-----------------|------------------------|-------------------|-----------|----------------------------|--------------------|---------------------------------|--------------------------|----------------|-----------|------------|-----------|-------------------|----------------|
| <b>P-8158</b>   | 117                    | 600               |           | 6.3<br>6.3<br>6.3          | 4.25<br>4.0<br>2.0 |                                 |                          | 3½             | 3¾ x 4½   | 2¼ x 3¾    | M‡        | 6.2               | <b>\$14.00</b> |
| * <b>P-8168</b> | 220-0-220<br>130-0-130 | 330<br>220        |           | 5.0<br>6.3†<br>or 12.6 CT† | 3.0                | 6.3†<br>6.3†<br>6.5             | 6.5<br>6.5               | 4½             | 3¾ x 4½   | 3 x 3¾     | M‡        | 10.5              | <b>23.55</b>   |
| <b>P-8155</b>   | 225-0-225              | 90                | 105       | 5.0                        | 2.0                | 6.3                             | 5.15                     | 3¾             | 2½ x 3½   | 2¼ x 2½    | M         | 4.5               | <b>9.80</b>    |
| <b>PM8418</b>   | 230-0-230              | 50                |           |                            |                    | 6.3                             | 2.5                      | 2½             | 2½ x 3    | 2 x 2½     | M         | 2.2               | <b>5.95</b>    |
| <b>PM8419</b>   | 240-0-240              | 70                |           |                            |                    | 6.3                             | 3.0                      | 2½             | 2½ x 3    | 2 x 2½     | M         | 2.6               | <b>6.80</b>    |
| <b>PC8403</b>   | 250-0-250              | 70                |           | 5.0                        | 2.0                | 6.3 CT                          | 2.5                      | 3¾             | 2½ x 3½   | 2 x 2½     | C         | 3.2               | <b>7.65</b>    |
| <b>PM8403</b>   | 250-0-250              | 70                |           | 5.0                        | 2.0                | 6.3 CT                          | 2.5                      | 3½             | 2½ x 3    | 2 x 2½     | M         | 3.2               | <b>7.65</b>    |
| * <b>P-8167</b> | 280-0-280              | 400               | 450       | 5.0                        | 6.0                | 6.3<br>6.3                      | 4.5<br>8.5               | 6              | 3½ x 4½   | 3¾ x 4½    | M‡        | 13.0              | <b>25.20</b>   |
| * <b>P-8164</b> | 300-0-300              | 225               | 250       | 5.0                        | 3.0                | 6.3                             | 9.0                      | 4½             | 3¾ x 4½   | 2¼ x 3¾    | M‡        | 7.5               | <b>18.25</b>   |
| <b>PM8407</b>   | 325-0-325              | 55                |           | 5.0                        | 2.0                | 6.3 CT                          | 2.0                      | 3½             | 2½ x 3    | 2 x 2½     | M         | 3.2               | <b>6.90</b>    |
| <b>P-5059</b>   | 337.5-0-337.5          | 200               | 225       | 5.0 CT                     | 3.0                | 6.3 CT                          | 5.0                      | 4½             | 4¾ x 4    | 3 x 3½     | C         | 9.6               | <b>15.35</b>   |
| <b>PC8408</b>   | 340-0-340              | 70                |           | 5.0                        | 2.0                | 6.3 CT                          | 2.5                      | 3½             | 3 x 3½    | 2¼ x 2½    | C         | 3.8               | <b>7.95</b>    |
| <b>PM8408</b>   | 340-0-340              | 70                |           | 5.0                        | 2.0                | 6.3 CT                          | 2.5                      | 3½             | 2½ x 3½   | 2¼ x 2½    | M         | 3.8               | <b>7.95</b>    |
| * <b>P-8166</b> | 340-0-340              | 330               | 360       | 5.0                        | 6.0                | 6.3<br>6.3†<br>6.3†<br>or 12.6† | 2.5<br>5.0<br>5.0<br>5.0 | 6              | 3½ x 4½   | 3¾ x 4½    | M‡        | 13.0              | <b>26.85</b>   |
| <b>PM8409</b>   | 350-0-350              | 90                |           | 5.0                        | 2.0                | 6.3 CT                          | 3.0                      | 3¾             | 2½ x 3½   | 2¼ x 2½    | M         | 4.5               | <b>8.95</b>    |
| * <b>P-8165</b> | 350-0-350<br>220-0-220 | 180<br>70         |           | 5.0                        | 3.0                | 6.3<br>6.3                      | 2.0<br>10.0              | 4½             | 3¾ x 4½   | 3 x 3½     | M‡        | 11.0              | <b>25.30</b>   |
| <b>P-8160</b>   | 358-0-358<br>165-0-165 | 185<br>65         |           | 5.0                        | 3.0                | 6.45                            | 12.0                     | 4½             | 3¾ x 4½   | 3 x 3½     | M‡        | 9.6               | <b>18.40</b>   |
| <b>PC8410</b>   | 360-0-360              | 120               |           | 5.0                        | 3.0                | 6.3 CT                          | 3.5                      | 4              | 3¾ x 3½   | 2½ x 2½    | C         | 5.5               | <b>9.65</b>    |
| <b>PM8410</b>   | 360-0-360              | 120               |           | 5.0                        | 3.0                | 6.3 CT                          | 3.5                      | 3½             | 3½ x 3½   | 2½ x 3½    | M         | 5.5               | <b>9.65</b>    |
| <b>P-8163</b>   | 360-0-360              | 200               | 225       | 5.0                        | 3.0                | 6.3<br>6.3                      | 7.75<br>1.2              | 5½             | 3½ x 4½   | 3¾ x 4½    | M‡        | 10.8              | <b>21.90</b>   |
| <b>P-8159</b>   | 360-0-360              | 250               | 290       | 5.0                        | 3.0                | 5.0<br>6.3<br>6.3               | 2.0<br>8.0<br>0.6        | 5½             | 3½ x 4½   | 3¾ x 4½    | M‡        | 10.0              | <b>21.85</b>   |
| <b>P-8156</b>   | 365-0-365              | 295               | 340       | 5.0                        | 6.0                | 5.0<br>12.6 CT                  | 2.0<br>5.0               | 6½             | 3½ x 4½   | 3¾ x 4½    | M‡        | 16.5              | <b>26.50</b>   |
| <b>P-6315</b>   | 370-0-370              | 275               | 310       | 5.0 CT                     | 3.0                | 6.3 CT                          | 7.0                      | 4½             | 3¾ x 4½   | 3 x 3½     | M         | 9.3               | <b>17.70</b>   |
| <b>PC8411</b>   | 375-0-375              | 150               |           | 5.0                        | 3.0                | 6.3 CT                          | 4.5                      | 4½             | 3½ x 4    | 2¼ x 2½    | C         | 5.8               | <b>11.55</b>   |
| <b>PM8411</b>   | 375-0-375              | 150               |           | 5.0                        | 3.0                | 6.3 CT                          | 4.5                      | 3½             | 3½ x 4½   | 2¼ x 3½    | M         | 5.8               | <b>11.55</b>   |
| <b>P-8154</b>   | 375-0-375              | 205               | 230       | 5.0                        | 3.0                | 5.0<br>6.3                      | 2.0<br>5.6               | 4½             | 3¾ x 4½   | 3 x 3½     | M         | 9.1               | <b>16.35</b>   |
| * <b>P-8171</b> | 375-0-375              | 225               | 250       | 5.0                        | 3.0                | 6.3<br>6.3                      | 2.0<br>9.0               | 5              | 3¾ x 4½   | 3 x 3½     | M3‡       | 10.5              | <b>20.85</b>   |
| <b>P-8162</b>   | 380-0-380              | 180               | 210       | 5.0 CT                     | 3.0                | 6.3                             | 9.0                      | 5½             | 4½ x 3½   | 2¼ x 3½    | M3‡       | 9.0               | <b>17.00</b>   |
| * <b>P-8169</b> | 380-0-380              | 220               | 250       | 5.0                        | 3.0                | 6.3<br>6.3<br>6.3               | 1.2<br>5.0<br>7.0        | 4½             | 3¾ x 4½   | 3 x 3½     | M‡        | 10.5              | <b>21.50</b>   |
| * <b>P-8170</b> | 380-0-380              | 220               | 250       | 5.0                        | 3.0                | 6.3<br>6.3<br>6.3               | 1.2<br>5.0<br>7.0        | 4½             | 4 x 4½    | 3 x 3½     | C         | 10.5              | <b>20.35</b>   |
| <b>P-8157</b>   | 385-0-385<br>235-0-235 | 195<br>105        |           | 5.0<br>5.0                 | 3.0<br>2.0         | 6.3<br>6.3<br>6.3               | 7.65<br>0.6<br>2.0       | 4½             | 3¾ x 4½   | 3 x 3½     | M         | 11.1              | <b>22.80</b>   |
| <b>P-8161</b>   | 390-0-390              | 230               | 270       | 5.0<br>5.0                 | 3.0<br>2.0         | 6.3                             | 9.0                      | 5½             | 3½ x 4½   | 3¾ x 4½    | M‡        | 11.8              | <b>23.75</b>   |
| <b>PM8412</b>   | 400-0-400              | 200               |           | 5.0                        | 3.0                | 6.3 CT                          | 5.0                      | 3½             | 3¾ x 4½   | 3 x 3½     | M         | 8.2               | <b>13.25</b>   |
| <b>PC8413</b>   | 400-0-400              | 250               |           | 5.0                        | 4.0                | 6.3 CT                          | 5.0                      | 4½             | 4 x 4½    | 3 x 3½     | C         | 10.0              | <b>16.30</b>   |

<sup>a</sup>Loading to maximum DCMA will have no appreciable effect on the service or life of the transformer.

<sup>†</sup>May be used as 6.3V windings or in series as 12.6V C.T.

<sup>‡</sup>With copper shorting band to reduce external magnetic field.

<sup>\*</sup>New part number.



See page 21 for a description of these Mounting Types

# HIGH FIDELITY



**HF Series** These units have a wide frequency response of 20 to 20,000 cps with  $\pm 1$  db. Correct design reduces harmonic and intermodulation distortion to a negligible amount. Balanced construction mini-

mizes hum pickup. Stancor impregnation insures long life. Cases are finished in gray enamel and have four threaded holes at each end for flush mounting. Stud-type terminals are plainly marked for easy identification.

| PART NO.                     | APPLICATION                                  | PRIMARY IMP./OHMS                   | SECONDARY IMP./OHMS              | MAX. LEVEL | HUM-PICKUP REDUCTION <sup>†</sup> | MTG. TYPE | LIST PRICE |
|------------------------------|--|-------------------------------------|----------------------------------|------------|-----------------------------------|-----------|------------|
| <b>LOW IMPEDANCE TO GRID</b> |  |                                     |                                  |            |                                   |           |            |
| <b>HF-20</b>                 | Low Imp. Mic., Pickup, or Line to Grid       | 50, 125/150, 200, 250, 333, 500/600 | 60,000 overall, in two sections  | 15 db      | -74 db                            | HF-1      | \$28.75    |
| <b>HF-20X</b>                | Low Imp. Mic., Pickup, or Line to Grid       | 50, 125/150, 200, 250, 333, 500/600 | 50,000                           | 14 db      | -92 db <sup>‡</sup>               | HF-1      | 36.80      |
| <b>HF-22</b>                 | Low Imp. Mic., Pickup, or Line to P.P. Grids | 50, 125/150, 200, 250, 333, 500/600 | 120,000 overall, in two sections | 15 db      | -74 db                            | HF-1      | 32.20      |
| <b>HF-22X</b>                | Low Imp. Mic., Pickup, or Line to P.P. Grids | 50, 125/150, 200, 250, 333, 500/600 | 80,000 overall, in two sections  | 14 db      | -92 db <sup>‡</sup>               | HF-1      | 40.25      |

## INTERSTAGE

|               |   |                       |                                   |       |        |      |         |
|---------------|---|-----------------------|-----------------------------------|-------|--------|------|---------|
| <b>HF-29S</b> | Sgl. Pl. to P.P. Grids—Split secondary          | 15,000                | 95,000 (Turn ratio 2.5:1 overall) | 17 db | -50 db | HF-1 | \$27.60 |
| <b>HF-31S</b> | Single Plate to P.P. Grids. Split pri. and sec. | 15,000                | 135,000 (Turn ratio 3:1 overall)  | 14 db | -74 db | HF-1 | 27.60   |
| <b>HF-32</b>  | P.P. Plates to P.P. Grids. Split pri. and sec.  | 30,000 Plate to Plate | 80,000 (Turn ratio 1.6:1 overall) | 26 db | -50 db | HF-2 | 35.65   |

## MIXING

|              |   |                                     |                                     |       |        |      |         |
|--------------|---|-------------------------------------|-------------------------------------|-------|--------|------|---------|
| <b>HF-40</b> | Low Imp. Mixer, Mic., Pickup, or Line to Line | 50, 125/150, 200, 250, 333, 500/600 | 50, 125/150, 200, 250, 333, 500/600 | 17 db | -74 db | HF-1 | \$28.75 |
|--------------|---|-------------------------------------|-------------------------------------|-------|--------|------|---------|

## OUTPUT

|               |   |                               |  |          |       |      |         |
|---------------|---|-------------------------------|--|----------|-------|------|---------|
| <b>HF-65†</b> | P.P. 2A3's, 6L6's, etc. to Line or Voice Coil                   | 3,000 or 5,000 Plate to Plate | 1.2, 2.5, 5, 7.5, 10, 15, 20, 30, 50,<br>125, 200, 250, 333 or 500 | 20 watts | ..... | HF-2 | \$32.20 |
| <b>HF-67†</b> | P.P. 2A3's, 6L6's, etc. to Voice Coil                           | 3,000 or 5,000 Plate to Plate | 30, 20, 15, 10, 7.5, 5, 2.5, 1.2                                   | 20 watts | ..... | HF-2 | 23.00   |
| <b>HF-68†</b> | P.P. Par. 2A3's, 6A5G's, 300A's, 6A3's<br>to Line or Voice Coil | 1,500 or 2,500 Plate to Plate | 500, 333, 250, 200, 125, 50, 30,<br>20, 15, 10, 7.5, 5, 2.5, 1.2   | 40 watts | ..... | HF-3 | 57.50   |

<sup>§</sup>HF-1 Case: Shpg. wt., 3.0 lbs. Height overall, 3 1/4". Base area, 2 9/16" x 3 1/4". Mtg. ctrs., 2 11/16" x 3 1/16". HF-3 Case: Shpg. wt., 15.0 lbs. Height overall, 4 1/4". Base area, 4 1/16" x 5 9/16". Mtg. ctrs., 4 1/16" x 5 1/4".

**WF Series** These units are of the same outstanding quality as the HF Series above, and, with the exception of two units, have a frequency response of 30-20,000 cps. within  $\pm 2$  db. The WF-21 and WF-35 have a response within  $\pm 2$  db from 50-20,000 cps. WF-21 has multiple alloy

shields for extremely low hum pickup. All WF units are cased in the WF-6 type cast case with phenolic terminal board and four tapped holes for flush mounting. Overall dimensions are 2" high with 1 1/2" x 1 1/2" base area. Mounting centers are 1 1/2" x 1 1/2". Shipping weight is 0.6 lbs.

| PART NO.                | APPLICATION  | PRIMARY IMP./OHMS                   | SECONDARY IMP./OHMS                       | LIST PRICE |
|-------------------------|--|-------------------------------------|---|------------|
| <b>INPUT</b>            |  |                                     |   |            |
| <b>WF-20</b>            | Low Imp. Mic., Pickup, or Line to Grid               | 50, 125/150, 200, 250, 333, 500/600 | 50,000                                    | \$17.25    |
| <b>WF-21</b>            | Low Imp. Mic., Pickup, or L. to Sgl. or P.P. Grids   | 50, 200, 500                        | 50,000                                    | 18.40      |
| <b>WF-22</b>            | Low Imp. Mic., Pickup, or Line to P.P. Grids         | 50, 125/150, 200, 250, 333, 500/600 | 80,000 overall, in two sections           | 17.25      |
| <b>WF-24</b>            | Dynamic Microphone to 1 or 2 Grids                   | 30                                  | 50,000 overall, in two sections           | 16.10      |
| <b>INTERSTAGE</b>       |  |                                     |   |            |
| <b>WF-26§</b>           | Single Plate to Single Grid                          | 15,000                              | 60,000 (Turn ratio 2:1)                   | \$14.95    |
| <b>WF-28§</b>           | Sgl. Pl. to 2 Grids. Can use split pri. for P.P. Pl. | 15,000                              | 80,000 overall (Turn ratio 2.3:1 overall) | 16.10      |
| <b>LOW LEVEL OUTPUT</b> |  |                                     |   |            |
| <b>WF-34§</b>           | Single Plate to Line                                 | 15,000                              | 50, 125/150, 200, 250, 333, 500/600       | \$17.25    |
| <b>WF-36§</b>           | P.P. Low Level Plates to Line                        | 30,000 Plate to Plate               | 50, 125/150, 200, 250, 333, 500/600       | 17.25      |
| <b>WF-35§</b>           | Single Plate to Multiple Line<br>Primary D.C. 8.0 ma | 15,000                              | 50, 125/150, 200, 250, 333, 500/600       | 16.10      |
| <b>MIXING</b>           |  |                                     |   |            |
| <b>WF-30</b>            | Low Imp. Mixer, Mic., Pickup, or Line to Line        | 50, 125/150, 200, 250, 333, 500/600 | 50, 125/150, 200, 250, 333, 500/600       | \$17.25    |

**OUTPUT—Upright Shell Mounting** These high quality units are made in ten stock sizes to match the most popular types of output tubes to speaker or line impedances. They have an excellent frequency response of 20-20,000 cps.

within  $\pm 1.0$  db and are designed to insure an extremely low percentage of intermodulation distortion over the entire frequency range and at any power level within the rating of the transformer. Mounting type for all units is "C." Shipping weight is 6.5 lbs.

| PART NO.        | PRI. IMP.<br>(P-P)<br>IN OHMS | SEC. IMP.<br>IN OHMS <sup>‡</sup> | MAX. PRI.<br>D.C.<br>PER HALF | MAX.<br>AUDIO<br>WATTS | HEIGHT<br>OVERALL | BASE<br>AREA  | MTG.<br>CTRS. | LIST<br>PRICE |
|-----------------|-------------------------------|-----------------------------------|-------------------------------|------------------------|-------------------|---------------|---------------|---------------|
| <b>A-8050</b>   | 1500                          | 8, 16                             | 200                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | \$18.10       |
| <b>A-8051</b>   | 2500                          | 8, 16                             | 150                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |
| <b>A-8052</b>   | 3000                          | 8, 16                             | 175                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |
| <b>A-8053</b>   | 5000                          | 8, 16                             | 150                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |
| * <b>A-8056</b> | 6600                          | 8, 16                             | 125                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |
| <b>A-8054</b>   | 9000                          | 8, 16                             | 100                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |
| <b>A-8060</b>   | 1500                          | 500                               | 200                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |
| <b>A-8061</b>   | 2500                          | 500                               | 150                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |
| <b>A-8062</b>   | 3000                          | 500                               | 175                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |
| <b>A-8063</b>   | 5000                          | 500                               | 150                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |
| * <b>A-8066</b> | 6600                          | 500                               | 125                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |
| <b>A-8064</b>   | 9000                          | 500                               | 100                           | 50                     | 4 1/8             | 3 1/8 x 4 1/4 | 2 3/4 x 3 1/4 | 18.10         |

<sup>†</sup>Response  $\pm 1$  db from 25 to 20,000 cps.

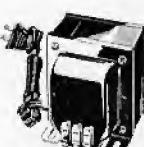
<sup>‡</sup>Where more than one secondary impedance is shown, only one value is to be used at any time.

<sup>\*</sup>Shunt plate feed should be employed to keep D.C. out of primary winding.

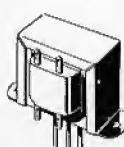
<sup>†</sup>As compared to standard uncased units.

<sup>‡</sup>Quadruple alloy magnetic shield.

<sup>\*</sup>New part number.



KC



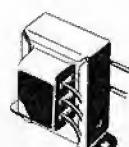
Q



TD



TS



VE



WC



WF

See page 21 for a description of these Mounting Types



# OUTPUT

SEE PAGE 7 FOR APPLICATIONS OF THESE TRANSFORMERS

## SINGLE PLATE TO VOICE COIL

| PART NO.       | APPLICATION                           | MAX. PRI. D.C. | AUDIO WATTS | MTG. TYPE | HEIGHT OVERALL  | BASE AREA                         | MTG. CTRS.          | SHPG. WT. IN LBS. | LIST PRICE    |
|----------------|---------------------------------------|----------------|-------------|-----------|-----------------|-----------------------------------|---------------------|-------------------|---------------|
| <b>A-3865</b>  | 1,500 $\Omega$ to 6/4/2 $\Omega$      | 55 ma          | 5           | A         | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2                   | 0.4               | <b>\$3.00</b> |
| <b>A-3332</b>  | 2,000 $\Omega$ to 3.2 $\Omega$        | 50 ma          | 3           | A         | 1 $\frac{1}{4}$ | 2 $\frac{1}{8}$ x 1               | 1 $\frac{1}{4}$     | 0.4               | <b>1.45</b>   |
| <b>A-3876</b>  | 2,000 $\Omega$ to 4 $\Omega$          | 60 ma          | 5           | A         | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2                   | 0.4               | <b>1.75</b>   |
| <b>A-3328</b>  | 4,000 $\Omega$ to 3.5 $\Omega$        | 10 ma          | 3           | A         | 1 $\frac{1}{4}$ | 2 $\frac{1}{8}$ x 1               | 1 $\frac{1}{4}$     | 0.4               | <b>1.85</b>   |
| <b>IA-2203</b> | 4,000 $\Omega$ to 8 $\Omega$          | 40 ma          | 5           | A         | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$     | 0.7               | <b>3.35</b>   |
| <b>A-3877</b>  | 5,000 $\Omega$ to 4 $\Omega$          | 40 ma          | 5           | A         | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2                   | 0.4               | <b>1.85</b>   |
| <b>A-3310</b>  | 5,000 $\Omega$ to 500/15/8/4 $\Omega$ | 55 ma          | 20          | C         | 3 $\frac{1}{4}$ | 2 $\frac{1}{8}$ x 2 $\frac{1}{8}$ | 2 x 1 $\frac{1}{4}$ | 2.5               | <b>7.30</b>   |
| <b>A-3878</b>  | 7,000 $\Omega$ to 4 $\Omega$          | 30 ma          | 5           | A         | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2                   | 0.4               | <b>1.80</b>   |
| <b>A-2313</b>  | 7,000 $\Omega$ to 8 $\Omega$          | 40 ma          | 10          | A         | 2               | 3 $\frac{1}{4}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{8}$     | 1.0               | <b>3.10</b>   |
| <b>*A-8114</b> | 7,600 $\Omega$ to 3.2 $\Omega$        | 32 ma          | 5           | A         | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2                   | 0.4               | <b>2.40</b>   |
| <b>A-3329</b>  | 8,000 $\Omega$ to 3.5 $\Omega$        | 10 ma          | 3           | A         | 1 $\frac{1}{4}$ | 2 $\frac{1}{8}$ x 1               | 1 $\frac{1}{4}$     | 0.4               | <b>1.75</b>   |
| <b>A-3879</b>  | 10,000 $\Omega$ to 4 $\Omega$         | 30 ma          | 5           | A         | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2                   | 0.4               | <b>1.75</b>   |
| <b>A-3881</b>  | 15,000 $\Omega$ to 4 $\Omega$         | 10 ma          | 5           | A         | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2                   | 0.4               | <b>1.95</b>   |
| <b>A-3327</b>  | 25,000 $\Omega$ to 4 $\Omega$         | 5 ma           | 5           | A         | 1 $\frac{1}{4}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2                   | 0.4               | <b>2.20</b>   |

## PUSH-PULL PLATES TO VOICE COIL

|                |  |        |    |    |                 |                                   |                                   |     |               |
|----------------|--|--------|----|----|-----------------|-----------------------------------|-----------------------------------|-----|---------------|
| <b>IA-3306</b> | P. P. Par. 2,500 $\Omega$ to 500/15/8/4 $\Omega$ | 100 ma | 25 | C  | 3 $\frac{1}{8}$ | 3 x 3 $\frac{1}{8}$               | 2 $\frac{1}{4}$ x 2               | 3.8 | <b>\$9.95</b> |
| <b>IA-3301</b> | 3,000 $\Omega$ to 500/15/8/4 $\Omega$            | 55 ma  | 30 | C  | 3 $\frac{1}{8}$ | 3 x 3 $\frac{1}{8}$               | 2 $\frac{1}{4}$ x 2               | 3.7 | <b>9.25</b>   |
| <b>A-3802</b>  | 3,800/3,300 $\Omega$ to 500/250/8/4 $\Omega$     | 250 ma | 75 | C  | 4 $\frac{1}{4}$ | 4 x 3 $\frac{1}{8}$               | 2 $\frac{1}{8}$ x 3               | 7.9 | <b>12.95</b>  |
| <b>A-5528</b>  | 4,000 $\Omega$ to 500/15/8/4 $\Omega$            | 65 ma  | 8  | C  | 3 $\frac{1}{4}$ | 2 $\frac{1}{8}$ x 2 $\frac{1}{4}$ | 2 x 1 $\frac{1}{4}$               | 1.9 | <b>7.25</b>   |
| <b>A-3851</b>  | 4,400 $\Omega$ to 500/250/15/8/4 $\Omega$        | 70 ma  | 30 | C  | 3 $\frac{1}{8}$ | 3 x 3 $\frac{1}{8}$               | 2 $\frac{1}{4}$ x 2               | 3.6 | <b>9.55</b>   |
| <b>A-3872</b>  | 5,000 $\Omega$ to 15/8/4 $\Omega$                | 75 ma  | 18 | TD | 2 $\frac{1}{4}$ | 2 $\frac{1}{8}$ x 2 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{2}$ | 1.7 | <b>6.20</b>   |
| <b>A-3800</b>  | 5,000 $\Omega$ to 500/250/15/8/4 $\Omega$        | 80 ma  | 30 | C  | 3 $\frac{1}{8}$ | 3 x 3 $\frac{1}{8}$               | 2 $\frac{1}{4}$ x 2               | 3.7 | <b>7.90</b>   |
| <b>A-3307</b>  | 6,000 $\Omega$ to 500/15/8/4 $\Omega$            | 100 ma | 30 | C  | 3 $\frac{1}{8}$ | 3 x 3 $\frac{1}{8}$               | 2 $\frac{1}{4}$ x 2               | 3.5 | <b>10.25</b>  |
| <b>A-3801</b>  | 6,600 $\Omega$ to 500/250/15/8/4 $\Omega$        | 150 ma | 35 | C  | 4               | 3 $\frac{1}{4}$ x 3 $\frac{1}{8}$ | 2 $\frac{1}{2}$ x 2 $\frac{1}{4}$ | 5.8 | <b>9.50</b>   |
| <b>IA-2201</b> | 8,000 $\Omega$ to 6 $\Omega$                     | 40 ma  | 10 | A  | 2               | 3 $\frac{1}{4}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{4}$                   | 1.0 | <b>4.25</b>   |
| <b>A-3885</b>  | 9,000 $\Omega$ to 500/250/15/8/4 $\Omega$        | 150 ma | 35 | C  | 4               | 3 $\frac{1}{4}$ x 3 $\frac{1}{8}$ | 2 $\frac{1}{2}$ x 2 $\frac{1}{4}$ | 4.5 | <b>11.25</b>  |
| <b>A-3304</b>  | 10,000/7,000 $\Omega$ to 500/15/8/4 $\Omega$     | 60 ma  | 25 | C  | 3 $\frac{1}{4}$ | 2 $\frac{1}{8}$ x 2 $\frac{1}{8}$ | 2 x 1 $\frac{1}{4}$               | 2.7 | <b>8.75</b>   |
| <b>A-3311</b>  | 10,000 $\Omega$ to 500/15/8/4 $\Omega$           | 70 ma  | 25 | C  | 3 $\frac{1}{8}$ | 3 x 3 $\frac{1}{8}$               | 2 $\frac{1}{4}$ x 2               | 3.5 | <b>8.25</b>   |
| <b>A-3831</b>  | 10,000 $\Omega$ to 8/4/2 $\Omega$                | 40 ma  | 5  | A  | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{2}$ | 2 $\frac{1}{8}$                   | 0.7 | <b>3.05</b>   |
| <b>*A-3335</b> | 10,000 $\Omega$ to 6-8/3.2-4 $\Omega$            | 40 ma  | 10 | S  | 2 $\frac{1}{4}$ | 2 $\frac{1}{4}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{8}$                   | 1.0 | <b>4.00</b>   |
| <b>A-2312</b>  | 14,000 $\Omega$ to 4 $\Omega$                    | 40 ma  | 10 | A  | 2 $\frac{1}{4}$ | 2 $\frac{1}{4}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{8}$                   | 1.0 | <b>3.15</b>   |
| <b>A-3496</b>  | 14,000 $\Omega$ to 4 $\Omega$                    | 25 ma  | 5  | A  | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2                                 | 0.4 | <b>2.90</b>   |
| <b>A-3303</b>  | 14,000 $\Omega$ to 500/15/8/4 $\Omega$           | 55 ma  | 20 | C  | 3 $\frac{1}{4}$ | 2 $\frac{1}{8}$ x 2 $\frac{1}{8}$ | 2 x 1 $\frac{1}{4}$               | 2.7 | <b>8.65</b>   |
| <b>A-3857</b>  | 25,000 $\Omega$ to 4 $\Omega$                    | 10 ma  | 5  | A  | 1 $\frac{1}{4}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2                                 | 0.4 | <b>2.30</b>   |

## HUM-REDUCING TRANSFORMERS, Single Plate to Voice Coil

|                |                                 |       |   |   |                 |                                   |   |     |             |
|----------------|---------------------------------|-------|---|---|-----------------|-----------------------------------|---|-----|-------------|
| <b>A-3330</b>  | 12,000 $\Omega$ to 3.5 $\Omega$ | 60 ma | 5 | A | 1 $\frac{1}{8}$ | 2 $\frac{1}{8}$ x 1 $\frac{1}{8}$ | 2 | 0.4 | <b>2.10</b> |
| <b>*A-3336</b> | 12,500 $\Omega$ to 3.5 $\Omega$ | 50 ma | 5 | A | 1 $\frac{1}{8}$ | 2 $\frac{1}{4}$ x 1 $\frac{1}{8}$ | 2 | 0.4 | <b>2.40</b> |

## CRYSTAL RECORDER OUTPUT

| PART NO.      | APPLICATION  | MAX. PRI. D.C.            | AUDIO WATTS | CORE SIZE                         | MTG. TYPE | HEIGHT OVERALL  | BASE AREA                         | MTG. CTRS.      | SHPG. WT. IN LBS. | LIST PRICE    |
|---------------|--|---------------------------|-------------|-----------------------------------|-----------|-----------------|-----------------------------------|-----------------|-------------------|---------------|
| <b>A-3853</b> | Single 7,000 $\Omega$ plate to 70,000 $\Omega$ crystal cutter OR 4 $\Omega$ voice coil       | 35 ma                     | 5           | 3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ | A         | 2               | 3 $\frac{1}{4}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{4}$ | 1.0               | <b>\$5.25</b> |
| <b>A-3854</b> | Single 7,000 $\Omega$ plate to 70,000 $\Omega$ crystal cutter AND 4 $\Omega$ voice coil      | 35 ma                     | 10          | 3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ | A         | 2 $\frac{1}{4}$ | 3 $\frac{1}{4}$ x 2 $\frac{1}{4}$ | 2 $\frac{1}{8}$ | 1.5               | <b>5.85</b>   |
| <b>A-3859</b> | Push-pull 10,000 $\Omega$ plates to 70,000 $\Omega$ crystal cutter OR 4 $\Omega$ voice coil  | 30 ma ea. 1 $\frac{1}{2}$ | 5           | 3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ | A         | 2               | 3 $\frac{1}{4}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{4}$ | 1.0               | <b>5.65</b>   |
| <b>A-3860</b> | Push-pull 10,000 $\Omega$ plates to 70,000 $\Omega$ crystal cutter AND 4 $\Omega$ voice coil | 35 ma ea. 1 $\frac{1}{2}$ | 10          | 3 $\frac{1}{8}$ x 3 $\frac{1}{8}$ | A         | 2 $\frac{1}{4}$ | 3 $\frac{1}{4}$ x 2 $\frac{1}{4}$ | 3 $\frac{1}{8}$ | 1.5               | <b>6.35</b>   |

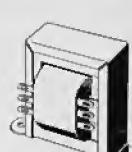
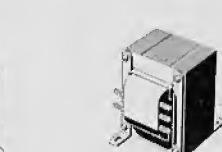
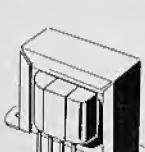
<sup>§</sup>This unit has a tertiary winding to provide 10% inverse feedback.

<sup>†</sup>Has 4.5% primary tap.

<sup>‡</sup>Designates part number to be removed from next catalog.

<sup>\*</sup>New part number

<sup>#</sup>Has 3% and 6% primary taps.



A

B

C

D

J

L

See page 21 for a description of these Mounting Types

# OUTPUT

SEE PAGE 7 FOR APPLICATIONS OF THESE TRANSFORMERS



## UNIVERSAL OUTPUT (Secondary Impedance 1 to 30 Ohms)

| PART NO.      | APPLICATION   | MAX. PRI. D.C.          | AUDIO WATTS | MTG. TYPE | HEIGHT OVERALL  | BASE AREA                         | MTG. CTRS.                        | SHPG. WT. IN LBS. | LIST PRICE    |
|---------------|---|-------------------------|-------------|-----------|-----------------|-----------------------------------|-----------------------------------|-------------------|---------------|
| <b>A-3856</b> | Single or P. P. Plates (4,000 to 14,000 $\Omega$ ) to V. C. | 35 ma                   | 4           | Q         | 1 $\frac{1}{8}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{8}$ | 2                                 | 0.4               | <b>\$2.65</b> |
| <b>A-3821</b> | Single Plate (7,000 to 10,000 $\Omega$ ) to V. C.           | 35 ma                   | 4           | Q         | 1 $\frac{1}{8}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{8}$ | 2                                 | 0.4               | <b>2.50</b>   |
| <b>A-3848</b> | Single Plate (7,000 to 16,000 $\Omega$ ) to V. C.           | 10 ma                   | 5           | Q         | 1 $\frac{1}{8}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{8}$ | 2                                 | 0.4               | <b>3.45</b>   |
| <b>A-3823</b> | Single or P. P. Plates (4,000 to 14,000 $\Omega$ ) to V. C. | 40 ma                   | 8           | Q         | 1 $\frac{1}{8}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{2}$ | 2 $\frac{1}{2}$                   | 0.7               | <b>2.85</b>   |
| <b>A-3850</b> | Single or P. P. Plates (4,000 to 14,000 $\Omega$ ) to V. C. | 40 ma                   | 8           | J         | 2               | 2 $\frac{1}{2}$ x 1 $\frac{1}{2}$ | 2                                 | 0.7               | <b>3.25</b>   |
| <b>A-3825</b> | Single Plate (1,500 to 4,500 $\Omega$ ) to V. C.            | 75 ma                   | 8           | Q         | 2               | 3 $\frac{1}{4}$ x 1 $\frac{1}{8}$ | 2 $\frac{1}{2}$                   | 0.9               | <b>3.60</b>   |
| <b>A-3824</b> | Single or P. P. Plates (6,000 to 10,000 $\Omega$ ) to V. C. | 75 ma                   | 8           | Q         | 2               | 3 $\frac{1}{4}$ x 1 $\frac{1}{8}$ | 2 $\frac{1}{2}$                   | 1.4               | <b>4.50</b>   |
| <b>A-3849</b> | Single Plate (1,500 to 10,000 $\Omega$ ) to V. C.           | 55 ma                   | 10          | Q         | 1 $\frac{1}{8}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{2}$ | 2 $\frac{1}{2}$                   | 0.7               | <b>2.85</b>   |
| <b>A-3880</b> | P. P. Plates (4,000 to 14,000 $\Omega$ ) to V. C.           | 40 ma ea. $\frac{1}{2}$ | 15          | Q         | 2 $\frac{1}{4}$ | 3 $\frac{1}{4}$ x 2 $\frac{1}{4}$ | 3 $\frac{1}{2}$                   | 1.7               | <b>5.40</b>   |
| <b>A-2855</b> | P. P. Plates (4,000 to 14,000 $\Omega$ ) to V. C.           | 50 ma ea. $\frac{1}{2}$ | 15          | L         | 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{2}$ | 1.0               | <b>4.70</b>   |
| <b>A-3890</b> | P. P. Plates (4,000 to 14,000 $\Omega$ ) to V. C.           | 50 ma ea. $\frac{1}{2}$ | 15          | TD        | 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{2}$ | 1.5               | <b>7.20</b>   |
| <b>A-3852</b> | P. P. Plates (4,000 to 14,000 $\Omega$ ) to V. C.           | 40 ma ea. $\frac{1}{2}$ | 18          | J         | 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 2               | 2 $\frac{1}{2}$                   | 1.3               | <b>3.65</b>   |
| <b>A-3870</b> | P. P. Plates (4,000 to 14,000 $\Omega$ ) to V. C.           | 50 ma ea. $\frac{1}{2}$ | 18          | Q         | 2               | 3 $\frac{1}{4}$ x 2               | 2 $\frac{1}{2}$                   | 1.3               | <b>4.50</b>   |
| <b>A-3830</b> | P. P. Plates (3,000 to 10,000 $\Omega$ ) to V. C.           | 60 ma ea. $\frac{1}{2}$ | 20          | J         | 2 $\frac{1}{4}$ | 3 $\frac{1}{4}$ x 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$                   | 1.8               | <b>4.90</b>   |

†Secondary impedance 0.7, 1, 1.4, 2, 2.8, 4 ohms.

§Secondary impedance 1, 2, 4 ohms.

## TUBE TO LINE

| PART NO.      | APPLICATION                          | IMPEDANCE IN OHMS  | MAX. PRI. D.C. | AUDIO WATTS | MTG. TYPE | HEIGHT OVERALL  | BASE AREA                         | MTG. CTRS.                        | SHPG. WT. IN LBS. | LIST PRICE    |
|---------------|--------------------------------------|--|----------------|-------------|-----------|-----------------|-----------------------------------|-----------------------------------|-------------------|---------------|
| <b>A-3841</b> | Single Plate to Line                 | Pri—7,000/6,000/5,000/4,000/2,500<br>Sec—500                       | 60 ma          | 10          | J         | 2 $\frac{1}{4}$ | 3 $\frac{1}{4}$ x 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$                   | 1.5               | <b>\$6.80</b> |
| <b>A-3842</b> | P. P. Plates to Line                 | Pri—14,000/12,000/10,000/8,000 CT<br>Sec—500                       | 55 ma          | 10          | J         | 2 $\frac{1}{4}$ | 3 $\frac{1}{4}$ x 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$                   | 1.7               | <b>6.90</b>   |
| <b>A-4770</b> | Single Plate to Line                 | Pri—7,000/6,000/5,000/4,000/2,500<br>Sec—500                       | 60 ma          | 20          | J         | 3 $\frac{1}{4}$ | 3 $\frac{1}{4}$ x 2 $\frac{1}{4}$ | 3 $\frac{1}{2}$                   | 2.4               | <b>7.00</b>   |
| <b>A-3250</b> | Single Plate or P. P. Plates to Line | Pri—20,000/10,000/5,000<br>Pri—20,000 CT<br>Sec—500/333/200/125/50 | 15 ma          | —           | Q         | 2               | 3 $\frac{1}{4}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{2}$                   | 1.0               | <b>4.50</b>   |
| <b>A-3315</b> | Single Plate or P. P. Plates to Line | Pri—20,000/10,000/5,000<br>Pri—20,000 CT<br>Sec—500/333/200/125/50 | 35 ma          | —           | D         | 3 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{4}$ | 2.7               | <b>10.00</b>  |

## LINE TO VOICE COIL

| PART NO.   | IMPEDANCE IN OHMS   | AUDIO WATTS | MTG. TYPE | HEIGHT OVERALL  | BASE AREA                         | MTG. CTRS.                        | SHPG. WT. IN LBS. | LIST PRICE    |
|--|---|-------------|-----------|-----------------|-----------------------------------|-----------------------------------|-------------------|---------------|
| <b>A-8101</b>  | Pri—500 Sec—6-8/3.2   | 5           | Q         | 1 $\frac{1}{8}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{8}$ | 2                                 | 0.4               | <b>\$2.00</b> |
| <b>A-3883</b>  | Pri—500 Sec—15/8/6/4  | 25          | J         | 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{2}$                   | 1.1               | <b>4.25</b>   |
| <b>A-3882</b>  | Pri—500/333/250 Sec—15/8/4  | 25          | D         | 3 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 3 $\frac{1}{2}$ | 2 x 1 $\frac{1}{4}$               | 2.4               | <b>8.25</b>   |
| <b>A-3818</b>  | Pri—1,500/1,000/500 Sec—15/8/4  | 25          | J         | 3 $\frac{1}{4}$ | 3 $\frac{1}{4}$ x 2 $\frac{1}{4}$ | 3 $\frac{1}{2}$                   | 2.2               | <b>4.95</b>   |
| <b>A-7947</b>  | Pri—2,000/1,500/1,000/500 Sec—6-8/3.2   | 8           | Q         | 1 $\frac{1}{8}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{8}$ | 2 $\frac{1}{2}$                   | 0.7               | <b>2.95</b>   |
| <b>A-7949</b>  | Pri—2,000/1,500/1,000/500 Sec—6-8/3.2   | 12          | J         | 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{2}$                   | 1.1               | <b>3.85</b>   |
| <b>A-3820</b>  | Pri—2,000/1,500/1,000/500 Sec—15/8/4  | 40          | D         | 4 $\frac{1}{4}$ | 3 $\frac{1}{4}$ x 4 $\frac{1}{2}$ | 2 $\frac{1}{2}$ x 2 $\frac{1}{4}$ | 5.0               | <b>13.45</b>  |
| * <b>A-8104</b>  | Pri—3,000/2,000/1,500/1,000/500<br>Sec—16/8/4   | 10          | J         | 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 1 $\frac{1}{4}$ | 2 $\frac{1}{2}$                   | 1.5               | <b>5.40</b>   |
| <b>A-3838</b>  | Pri—500 Sec—250/166/125/100/84  | 30          | B         | 3 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 2 $\frac{1}{4}$ | 2 x 2                             | 2.3               | <b>6.50</b>   |
| This auto transformer is designed to operate one or more speakers in series across a 500 ohm line or to match unequal lines. |   |             |           |                 |                                   |                                   |                   |               |
| <b>A-3837</b>  | Pri—500/1,000/1,500/2,000/2,500/3,000<br>Sec—.06 to 8 ohms when primary is 500 ohms,<br>.12 to 16 ohms when primary is 1,000 ohms, etc. | 15          | J         | 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 2               | 2 $\frac{1}{2}$                   | 1.4               | <b>5.00</b>   |
| This unit is designed to operate one or more speakers in parallel across a 500 ohm line.                                     |   |             |           |                 |                                   |                                   |                   |               |

## LINE TO VOICE COIL—OUTDOOR TYPE

| PART NO.      | IMPEDANCE IN OHMS                             | RATED WATTS | MTG. TYPE | MTG. CENTERS CAN OR BRKT. | HEIGHT OVERALL  | BASE AREA           | MTG. CTRS.          | SHPG. WT. IN LBS. | LIST PRICE     |
|---------------|---|-------------|-----------|---------------------------|-----------------|---------------------|---------------------|-------------------|----------------|
| <b>A-3333</b> | Pri—3,000/2,000/1,500/1,000/500<br>Sec—16/8/4 | 14          | TW        | 2 x 3 $\frac{1}{2}$       | 3 $\frac{1}{2}$ | 3 $\frac{1}{2}$ x 3 | 3 $\frac{1}{2}$ x 2 | 3.4               | <b>\$12.95</b> |
| <b>A-3334</b> | Pri—3,000/2,000/1,500/1,000/500<br>Sec—16/8/4 | 25          | TW        | 2 x 3 $\frac{1}{2}$       | 3 $\frac{1}{2}$ | 3 $\frac{1}{2}$ x 3 | 3 $\frac{1}{2}$ x 2 | 3.5               | <b>15.70</b>   |

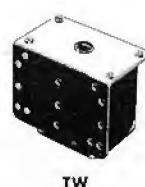
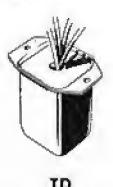
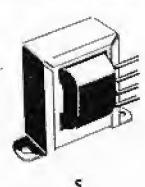
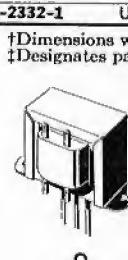
**20-337** Adapter Hardware Set  
For clamping Part Numbers A-3333 and A-3334 to the mounting bracket of a trumpet projector. Set consists of holding plate and four each of screws, nuts and lockwashers to secure transformer assembly to speaker bracket up to 2" wide.

## 70.7 VOLT LINE TO VOICE COIL

| PART NO.        | POWER STEPS IN WATTS | IMPEDANCE IN OHMS                                    | MTG. TYPE | HEIGHT OVERALL  | BASE AREA                         | MTG. CTRS.      | SHPG. WT. IN LBS. | LIST PRICE   |
|-----------------|----------------------|--|-----------|-----------------|-----------------------------------|-----------------|-------------------|--------------|
| * <b>A-8102</b> | 8/4/2/1/0.5          | Pri—625/1,250/2,500/5,000/10,000<br>Sec—4/8/16       | J         | 2               | 1 $\frac{1}{2}$ x 2 $\frac{1}{2}$ | 2               | 0.7               | <b>54.10</b> |
| * <b>A-8103</b> | 16/8/4/2/1/0.5       | Pri—312.5/625/1,250/2,500/5,000/10,000<br>Sec—4/8/16 | J         | 2 $\frac{1}{4}$ | 2 $\frac{1}{2}$ x 3 $\frac{1}{4}$ | 2 $\frac{1}{2}$ | 1.5               | <b>5.70</b>  |

## TONE CONTROL UNIT

| PART NO.         | APPLICATION  | MTG. TYPE | HEIGHT OVERALL  | BASE AREA           | MTG. CTRS.                        | SHPG. WT. IN LBS. | LIST PRICE     |
|------------------|--|-----------|-----------------|---------------------|-----------------------------------|-------------------|----------------|
| <b>IC-2332-1</b> | Used in amplifiers for separate control of bass and treble frequencies | W1        | 2 $\frac{1}{2}$ | 2 x 2 $\frac{1}{2}$ | 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ | 1.3               | <b>\$10.10</b> |

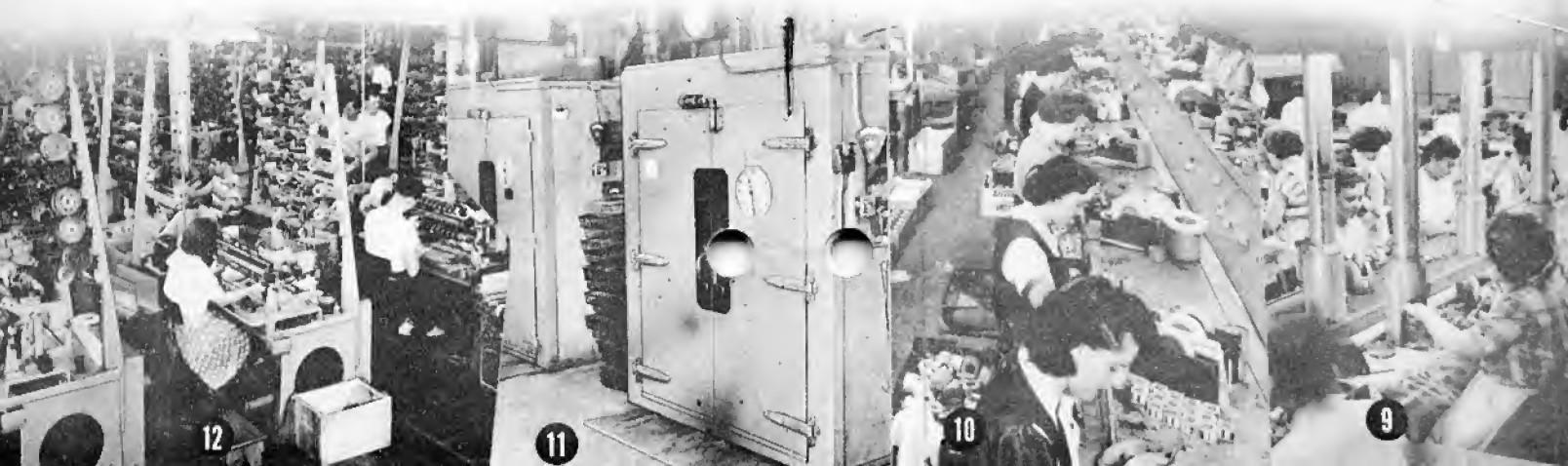




**T**HEORETICALLY, a transformer is a simple electrical device. Separate coils of insulated wire are wound on an iron core, with the ratio of the number of turns in each coil governing the electrical characteristics of the transformer. In actual practice, industrial production of efficient, durable transformers is an extremely complex operation. The highly developed skills of design and production engineers, as well as special, intricate equipment, are involved in the manufacture of Stancor transformers.

The fabrication of a simple channel frame, audio transformer requires 19 separate operations. There are 35 operations in the production of a TV power transformer with three secondary windings. Some of these operations and the equipment used, as shown on these pages, are described below.

1. Impedance test equipment for engineering sample testing.
2. Riveting machines anchor lead wires to insulated strip for safe, simple assembly of lead wires to coils.
3. A view of the Stancor machine shop where special production tools and dies are made.
4. Conveyor system and test panels for small audio transformers.
5. Power transformer test equipment for engineering sample testing.
6. Sample department where pilot runs are made on all new Stancor transformers prior to regular plant production.
7. Punch presses for fabricating transformer mountings and laminations.
8. Wax impregnating ovens for moisture-proofing and corrosion protection.
9. One of the lead wire and lamination assembly lines.
10. One of the coil finishing assembly lines.
11. Baking ovens for setting and curing of varnish impregnated transformers.
12. Multiple automatic winding machines that wind 14 to 30 coils at one time.
13. Production control laboratory where all materials are tested before they are released for production.
14. Production line testing of audio transformers.
15. Winding machine for large "wound core" power transformers.
16. Cutting "wound cores" prior to insertion of the coils.
17. Automatic wire cutting and stripping machines.
18. Lacquer spray booths.
19. Production assembly line.
20. Single automatic winding machines for winding heavy wire used in power transformers.





# DRIVER

## HANDY METHOD FOR APPROXIMATING THE PRIMARY TO SECONDARY RATIO REQUIRED OF A DRIVER TRANSFORMER IN CLASS B OR AB<sub>2</sub> SERVICE

$$\text{Transformer ratio, } \frac{\sqrt{PZ_L}}{0.35E_S} \quad \text{where: } Z_L = \text{Plate load impedance of driver tube(s) selected.}$$

$E_S$  = Peak grid-to-grid signal voltage required for tubes to be driven.

Factor values for this formula are data commonly found in tube manuals. Select driver tubes capable under typical operation of delivering 1.5 times the grid driving power requirements of the stage to be driven. Pentode or tetrode drivers should be operated with inverse feedback.

### SINGLE PLATE TO PUSH-PULL GRIDS

| PART NO. | PRI. IMPEDANCE IN OHMS | PRI. 1/2 SEC. RATIO | MAX. PRI. D.C. | CORE      | MTG. TYPE | HEIGHT OVERALL | BASE AREA     | MTG. CTRS.    | SHPG. WT. IN LBS. | LIST PRICE |
|----------|------------------------|---------------------|----------------|-----------|-----------|----------------|---------------|---------------|-------------------|------------|
| A-4713   | 10,000                 | 2:1                 | 30 ma          | 5/8 x 5/8 | A         | 1 1/2          | 2 1/2 x 1 1/2 | 2 1/2         | 0.7               | \$2.70     |
| A-4752   | 10,000                 | 2/1.5/1:1           | 40 ma          | 3/4 x 3/4 | A         | 2              | 3 1/4 x 1 3/4 | 2 1/4         | 1.2               | 4.00       |
| A-4722   | 10,000                 | 2:1                 | 30 ma          | 3/4 x 1   | TD        | 2 1/16         | 2 1/4 x 2 1/4 | 2 1/2 x 1 1/2 | 1.7               | 5.90       |
| A-4292   | 10,000                 | 2.5:1               | 20 ma          | 5/8 x 5/8 | A         | 1 1/2          | 2 1/2 x 1 1/2 | 2 1/2         | 0.7               | 2.85       |
| A-4734   | 10,000                 | 2.5:1               | 25 ma          | 3/4 x 3/4 | S         | 2 1/2          | 2 1/2 x 1 1/4 | 2 1/2         | 1.2               | 3.90       |
| A-4723   | 10,000                 | 3:1                 | 30 ma          | 5/8 x 5/8 | A         | 1 1/2          | 2 1/2 x 1 1/2 | 2 1/2         | 0.7               | 2.70       |
| IA-4721  | 10,000 to 22,500       | 3/2:1               | 25 ma          | 3/4 x 1   | TD        | 2 1/16         | 2 1/4 x 2 1/4 | 2 1/2 x 1 1/2 | 1.5               | 6.45       |
| A-4210   | 1,500 to 5,000         | 3:1                 | 40 ma          | 1 x 1     | C         | 3 1/2          | 2 1/2 x 2 1/2 | 2 x 1 1/4     | 2.4               | 6.60       |
| A-4702   | 1,500 to 5,000         | 5:1                 | 80 ma          | 1 x 1     | C         | 3 1/2          | 2 1/2 x 2 1/2 | 2 x 1 1/4     | 2.5               | 6.50       |

### PUSH-PULL PLATES TO PUSH-PULL GRIDS

| PART NO. | PRI. IMP. (P-P) IN OHMS | PRI. 1/2 SEC. RATIO | MAX. PRI. D.C. | CORE          | MTG. TYPE | HEIGHT OVERALL | BASE AREA     | MTG. CTRS. | SHPG. WT. IN LBS. | LIST PRICE |
|----------|-------------------------|---------------------|----------------|---------------|-----------|----------------|---------------|------------|-------------------|------------|
| A-4404   | 3,000 to 5,000          | 2:1                 | 90 ma          | 1 1/2 x 1 1/2 | C         | 3 1/2          | 3 x 3 1/2     | 2 1/4 x 2  | 3.7               | \$8.65     |
| A-4208   | 20,000 to 30,000        | 2.8:1               | 15 ma          | 1 x 1         | C         | 3 1/2          | 2 1/2 x 2 1/2 | 2 x 1 1/4  | 2.5               | 7.40       |
| A-4712   | 20,000                  | 3:1                 | 10 ma          | 5/8 x 5/8     | A         | 1 1/2          | 2 1/2 x 1 1/2 | 2 1/2      | 0.7               | 3.20       |
| A-4701   | 20,000                  | 3:1                 | 25 ma          | 1 x 1         | C         | 3 1/2          | 2 1/2 x 2 1/2 | 2 x 1 1/4  | 2.7               | 8.50       |
| A-4212   | 1,500 to 5,000          | 3.2:1               | 50 ma          | 1 x 1         | C         | 3 1/2          | 2 1/2 x 2 1/2 | 2 x 1 1/4  | 2.5               | 6.90       |
| A-4416   | 3,000 to 10,000         | 5:1                 | 40 ma          | 1 x 1         | C         | 3 1/2          | 2 1/2 x 2 1/2 | 2 x 1 1/4  | 2.8               | 7.70       |
| A-4703   | 3,000 to 10,000         | 5:1                 | 95 ma          | 1 1/2 x 1 1/2 | C         | 3 1/2          | 3 x 3 1/2     | 2 1/4 x 2  | 3.7               | 8.40       |

### "POLY-PEDANCE" DRIVER MULTI-TAPPED UNIVERSAL UNITS OFFERING OPTIMUM RATIO SELECTION

| PART NO. | APPLICATION AND RATIO PRI. 1/2 SEC.  | MAX. D.C.                | AUDIO WATTS | MTG. TYPE | HEIGHT OVERALL | BASE AREA     | MTG. CTRS.    | SHPG. WT. IN LBS. | LIST PRICE |
|----------|--|--------------------------|-------------|-----------|----------------|---------------|---------------|-------------------|------------|
| A-4761   | Driver to Class "B" Grids<br>1.25:1 / 1.4:1 / 1.6:1 / 1.8:1 /<br>2:1 / 2.2:1 / 2.4:1 | Pri—150 ma<br>Sec—100 ma | 15          | CD        | 3 1/2          | 2 1/2 x 3 1/2 | 2 x 2 1/2     | 3.4               | \$14.75    |
| A-4762   | Driver to Class "B" Grids<br>2.6:1 / 3:1 / 3.2:1 / 3.4:1 /<br>4:1 / 4.5:1 / 5:1      | Pri—150 ma<br>Sec—180 ma | 15          | CD        | 3 1/2          | 2 1/2 x 3 1/2 | 2 x 1 1/4     | 2.7               | 13.90      |
| A-4763   | Driver to Class "B" Grids<br>1.25:1 / 1.5:1 / 1.75:1 / 2:1 /<br>2.25:1 / 3:2:1       | Pri—225 ma<br>Sec—280 ma | 30          | CD        | 3 1/2          | 3 x 4         | 2 1/4 x 2 1/2 | 4.3               | 17.20      |

### "POLY-PEDANCE" LINE DRIVER MULTI-TAPPED UNITS OFFERING OPTIMUM IMPEDANCE MATCHING

| PART NO. | APPLICATION AND RATIO PRI. 1/2 SEC.   | MAX. D.C.                | AUDIO WATTS | MTG. TYPE | HEIGHT OVERALL | BASE AREA     | MTG. CTRS.    | SHPG. WT. IN LBS. | LIST PRICE |
|----------|---|--------------------------|-------------|-----------|----------------|---------------|---------------|-------------------|------------|
| A-4765   | Line to Grid<br>1:0.75 / 1:0.85 / 1:1 / 1:1.25 /<br>1:1.45 / 1:1.75 / 1:2 / 1:2.25 /<br>1:2.5 / 1:2.75 / 1:3.15 | Pri—180 ma<br>Sec—100 ma | 15          | CD        | 3 1/2          | 2 1/2 x 3 1/2 | 2 x 1 1/4     | 3.2               | \$15.25    |
| IA-4766  | Line to Grid<br>1:0.75 / 1:0.85 / 1:1 / 1:1.25 /<br>1:1.45 / 1:1.75 / 1:2 / 1:2.25 /<br>1:2.5 / 1:2.75 / 1:3.15 | Pri—280 ma<br>Sec—200 ma | 30          | CD        | 3 1/2          | 3 x 3 1/2     | 2 1/4 x 2 1/2 | 3.9               | 16.95      |

### AUDIO CHOKES

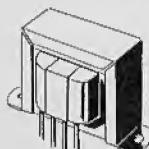
Audio reactors are rated at 2 volts, 200 cycles, with maximum D.C. in windings. Tolerance of minus 15%, plus 50% is maintained on all ratings.

| PART NO. | RATED INDUCTANCE | D.C. RES. IN OHMS | TEST VOLTS | CORE | MTG. TYPE | HEIGHT OVERALL | BASE AREA | MTG. CTRS.    | SHPG. WT. IN LBS. | LIST PRICE |        |
|----------|------------------|-------------------|------------|------|-----------|----------------|-----------|---------------|-------------------|------------|--------|
| C-1034   | 8 hy at 30 ma    | 30 ma             | 1365       | 1500 | 5/8 x 5/8 | A              | 2         | 3/4 x 1 1/4   | 2 1/4             | 1.1        | \$3.35 |
| C-1003   | 16 hy at 50 ma   | 50 ma             | 580        | 1500 | 3/4 x 3/4 | A              | 2         | 3/4 x 1 1/4   | 2 1/4             | 1.1        | 2.25   |
| C-2301   | 135 hy at 5 ma   | 10 ma             | 6500       | 1500 | 5/8 x 1   | TD             | 2 1/16    | 2 1/4 x 2 1/4 | 2 1/2 x 1 1/2     | 1.7        | 5.60   |

\*These units have split secondaries for individual bias adjustment and/or use of inverse feedback.

\*Center tapped.

†Designates part number to be removed from next catalog.



A



B



C



CD



D



FS

# MODULATION



## PLATE MODULATION

| PART NO.       | IMPEDANCE IN OHMS  | MAX. MA. DC/TUBE PRI. SEC. | TYPICAL OUTPUT TUBES  | CLASS   | AUDIO WATTS | MTG. TYPE | HEIGHT OVERALL | BASE AREA     | MTG. CTRS.    | SHPG. WT. IN LBS. | LIST PRICE |
|----------------|--|----------------------------|---|---------|-------------|-----------|----------------|---------------|---------------|-------------------|------------|
| <b>A-3812</b>  | Pri—10,000 CT<br>Sec—4,000   | 32 50                      | Sgl.—37, 38, 41, 1G5, 6K6<br>Sgl.—19, 1G6, 1J6, E6E,<br>6G6, 6Z7<br>P. P.—30, 49, 1H4 | A<br>B  | 5           | A         | 1 1/8          | 2 1/2 x 1 1/2 | 2 1/4         | 0.7               | \$3.25     |
| <b>A-3871</b>  | Pri—4,500<br>Sec—8,500<br><small>Secondary used as primary</small> | 60 50                      | Sgl.—6L6, HY69<br>Sgl.—6B5, 6F6, 6N6  | A<br>A  | 10          | TD        | 2 1/4          | 2 1/4 x 2 1/4 | 2 1/4 x 1 1/2 | 1.4               | \$5.90     |
| <b>†A-3873</b> | Pri—8,500 CT<br>Sec—8,000  | 100 100                    | Sgl.—6B5, 6F6, 6N6<br>P. P.—6L6, RK56, HY60   | A<br>AB | 25          | C         | 3 1/4          | 2 1/2 x 3 1/2 | 2 x 2 1/4     | 4.2               | \$9.60     |
| <b>A-3845</b>  | Pri—10,000 CT<br>Sec—8,000/6,500/<br>5,000/3,000                   | 100 100                    | Sgl.—53, 79, 6A6, 6N7,<br>6Y7<br>P. P.—42, 2A5, 6F6, 6V6                              | B       | 25          | C         | 3 1/4          | 2 1/2 x 2 1/4 | 2 x 1 1/4     | 2.8               | \$7.60     |
| <b>A-3835</b>  | Pri—5,000/3,000 CT<br>Sec—10,000/8,350/5,350                       | 80 100                     | P. P.—45, 50, 2A3, 6A3,<br>6A5, 6B4, 6L6  | AB      | 25          | C         | 4              | 3 1/4 x 3 1/2 | 2 1/2 x 1 1/4 | 4.0               | \$10.25    |
| <b>†A-3868</b> | Pri—6,600 CT<br>Sec—12,000/10,000                                  | 100 70                     | P. P.—6L6   | AB      | 35          | C         | 3 1/4          | 2 1/2 x 3 1/2 | 2 x 2 1/4     | 4.0               | \$9.95     |
| <b>†A-3843</b> | Pri—6,600 CT<br>Sec—14,500/7,500/5,000                             | 150 150                    | P. P.—6L6, RK56, HY56   | AB      | 40          | D         | 4 1/4          | 3 1/2 x 4 1/2 | 2 1/4 x 2 1/4 | 6.2               | \$14.15    |
| <b>A-3808</b>  | Pri—3,800/3,300 CT<br>Sec—10,000/7,500/<br>5,000/4,000             | 260 170                    | P. P.—6L6, 807, HY61,<br>RK41<br>P. P. Par—6L6  | AB2     | 60          | D         | 4 1/4          | 4 x 2 1/2     | 3 x 2 1/4     | 7.7               | \$16.60    |
| <b>†A-2907</b> | Pri—8,000 CT<br>Sec—12,500/9,000/<br>6,800/5,000/3,300             | 200 150                    | P. P.—10, T20, TZ20,<br>HY25, 46, 801, 825,<br>841                                    | B       | 90          | D         | 4 1/4          | 4 x 5 1/4     | 3 x 3 1/4     | 9.7               | \$19.35    |
| <b>†A-2908</b> | Pri—12,000/7,200 CT<br>Sec—6,250/5,350/<br>4,500/3,000             | 260 220                    | P. P.—RK18, T20, TZ20,<br>HY25, RK31, 35T, 50T,<br>800, 801, 830B, 1623               | B       | 120         | D         | 4 1/4          | 4 x 5 1/2     | 3 x 3 1/4     | 9.7               | \$20.80    |
| <b>A-3829</b>  | Pri—9,000/6,900 CT<br>Sec—6,250/5,000/<br>4,000/3,300              | 250 300                    | P. P.—RK12, HY25, 35T,<br>HY40Z, T40, TZ40,<br>100TL, HK354, 756,<br>809, 830B        | B       | 175         | D         | 4 1/4          | 4 x 6 1/2     | 3 x 3 1/4     | 11.4              | \$21.00    |

## "POLY-PEDANCE" MODULATION

MULTI-TAPPED UNITS TO PROPERLY MATCH THE OUTPUT OF THE MODULATOR STAGE TO THE MODULATED LOAD. WILL MATCH ALL COMMON IMPEDANCES OF CLASS "B" MODULATOR (2,000 TO 20,000 OHMS) TO CLASS "C" LOAD IMPEDANCES OF 2,000 TO 20,000 OHMS.

The number of excellent transmitting tubes available is constantly increasing. R.F. applications, too, have increased and it is sometimes difficult to obtain the correct modulation transformer suitable for matching some given

modulator tubes or R.F. load. These units give an almost unlimited range in power and impedance ratings to assure a correct impedance match in all cases.

| PART NO.      | MAX. WATTS | MAX. D.C.                | MTG. TYPE | HEIGHT OVERALL | BASE AREA     | MTG. CTRS.    | SHPG. WT. IN LBS. | LIST PRICE |
|---------------|------------|--------------------------|-----------|----------------|---------------|---------------|-------------------|------------|
| <b>A-3891</b> | 15         | Pri—100 ma<br>Sec—100 ma | D         | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 11 1/4    | 2.5               | \$12.00    |
| <b>A-3892</b> | 30         | Pri—150 ma<br>Sec—150 ma | D         | 4              | 3 1/4 x 3 1/2 | 2 1/2 x 2 1/4 | 4.3               | \$15.20    |
| <b>A-3893</b> | 60         | Pri—180 ma<br>Sec—180 ma | D         | 4              | 3 1/4 x 4 1/2 | 2 1/2 x 2 1/4 | 6.2               | \$14.75    |
| <b>A-3894</b> | 125        | Pri—225 ma<br>Sec—225 ma | D         | 4 1/4          | 4 x 4 1/2     | 3 x 3 1/4     | 9.4               | \$19.90    |
| <b>A-3898</b> | 300        | Pri—260 ma<br>Sec—260 ma | FS        | 7 1/4          | 7 1/2 x 8 1/2 | 6 1/2 x 4 1/4 | 37.9              | \$62.50    |
| <b>A-3899</b> | 600        | Pri—500 ma<br>Sec—500 ma | FS        | 11 1/4         | 7 1/2 x 9     | 6 1/2 x 5 1/2 | 70.0              | \$124.50   |

## AUDIO FILTERS\*

### SPLATTER SUPPRESSOR FILTER—FOR USE BETWEEN THE MODULATOR AND RF AMPLIFIER

| PART NO.      | APPLICATION                | RANGE OF INDUCTANCE IN亨RIES† | MAX. D.C. IN MA. | MTG. TYPE | HEIGHT OVERALL | BASE AREA | MTG. CTRS. | SHPG. WT. IN LBS. | LIST PRICE |
|---------------|----------------------------|------------------------------|------------------|-----------|----------------|-----------|------------|-------------------|------------|
| <b>C-2317</b> | Splatter Suppressor Filter | 0.048 to 0.9                 | 300              | B         | 2 1/2          | 3 x 3     | 2 1/2 x 2  | 2.3               | \$7.40     |

†Taps provided for obtaining various amounts of inductance.

### BAND PASS FILTER—FOR USE IN SPEECH AMPLIFIERS

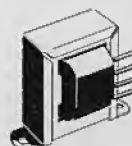
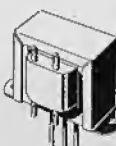
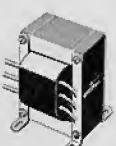
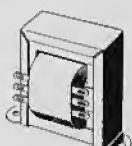
| PART NO.      | APPLICATION                             | INPUT IMPEDANCE IN OHMS | OUTPUT IMPEDANCE IN OHMS | MAX. OPERATING LEVEL       | MTG. TYPE | HEIGHT OVERALL | BASE AREA     | MTG. CTRS.    | SHPG. WT. IN LBS. | LIST PRICE |
|---------------|---|-------------------------|--------------------------|----------------------------|-----------|----------------|---------------|---------------|-------------------|------------|
| <b>C-2340</b> | Band Pass Filter<br>200 to 3,000 C.P.S. | 10,000                  | 500 or<br>100,000        | 10.0V RMS<br>Across Output | TD        | 2 1/4          | 2 1/2 x 2 1/4 | 2 1/4 x 1 1/2 | 0.6               | \$21.45    |

### LOW PASS FILTER—FOR USE IN SPEECH AMPLIFIERS

|               |  |         |         |                           |    |   |                |       |     |        |
|---------------|--|---------|---------|---------------------------|----|---|----------------|-------|-----|--------|
| <b>C-2341</b> | Low Pass Filter<br>3,000 C.P.S. Cutoff | 100,000 | 100,000 | 1.5V RMS<br>Across Output | TD | 2 | 2 1/2 x 11 1/4 | 2 1/2 | 0.5 | \$8.70 |
|---------------|--|---------|---------|---------------------------|----|---|----------------|-------|-----|--------|

\*Designates part number to be removed from next catalog.

\*Write for Bulletin 371 for additional information on these Audio Filters.





# POWER

SEE PAGE 2 FOR ADDITIONAL POWER TRANSFORMERS

## COMBINATION PLATE AND FILAMENT SUPPLY

The 8400 Series Power Transformers listed below cover 95% of today's power transformer needs.

### POWER TRANSFORMERS TO PROVIDE APPROXIMATELY 260 VOLTS D.C. TO CONDENSER INPUT FILTER

| PART NO. & MTG. TYPE | PLATE SUPPLY<br>A.C. VOLTS | D.C. MA. | RECTIFIER FIL.<br>VOLTS | AMPS. | OTHER WINDINGS<br>VOLTS | AMPS. | HEIGHT<br>OVERALL | BASE<br>AREA | MTG.<br>CTRS. | SHPG. WT.<br>IN LBS. | LIST<br>PRICE |
|----------------------|----------------------------|----------|-------------------------|-------|-------------------------|-------|-------------------|--------------|---------------|----------------------|---------------|
| PC8401               | 235-0-235                  | 40       | 5.0                     | 2.0   | 6.3 CT                  | 2.0   | 3½                | 2½ x 2½      | 2 x 1½        | 2.2                  | \$6.15        |
| PM8401               |                            |          |                         |       |                         |       | 2½                | 2½ x 3       | 2 x 2½        |                      |               |
| PC8402               | 240-0-240                  | 55       | 5.0                     | 2.0   | 6.3 CT                  | 2.0   | 3½                | 2½ x 2½      | 2 x 1½        | 2.4                  | 6.80          |
| PM8402               |                            |          |                         |       |                         |       | 2½                | 2½ x 3       | 2 x 2½        |                      |               |
| PC8403               | 250-0-250                  | 70       | 5.0                     | 2.0   | 6.3 CT                  | 2.5   | 3½                | 2½ x 3½      | 2 x 2½        | 3.2                  | 7.65          |
| PM8403               |                            |          |                         |       |                         |       | 3½                | 2½ x 3       | 2 x 2½        |                      |               |
| PC8404               | 260-0-260                  | 90       | 5.0                     | 2.0   | 6.3 CT                  | 3.0   | 3½                | 3 x 3½       | 2½ x 2½       | 4.0                  | 8.60          |
| PM8404               |                            |          |                         |       |                         |       | 3½                | 2½ x 3½      | 2½ x 2½       |                      |               |
| PC8405               | 270-0-270                  | 120      | 5.0                     | 3.0   | 6.3 CT                  | 3.5   | 4                 | 3½ x 3½      | 2½ x 2½       | 4.9                  | 9.50          |
| PM8405               |                            |          |                         |       |                         |       | 3½                | 3½ x 3½      | 2½ x 3½       |                      |               |

### POWER TRANSFORMERS FOR USE WITH CHOKE INPUT FILTER, VR-TUBE REGULATED SUPPLY, SPEAKER FIELD IN FILTER, OR HIGHER VOLTAGE WITH CONDENSER INPUT FILTER

|        |           |     |     |     |        |     |    |         |         |      |         |
|--------|-----------|-----|-----|-----|--------|-----|----|---------|---------|------|---------|
| PC8406 | 325-0-325 | 40  | 5.0 | 2.0 | 6.3 CT | 2.0 | 3½ | 2½ x 2½ | 2 x 1½  | 2.4  | \$ 6.25 |
| PM8406 |           |     |     |     |        |     | 2½ | 2½ x 3  | 2 x 2½  |      |         |
| PC8407 | 325-0-325 | 55  | 5.0 | 2.0 | 6.3 CT | 2.0 | 3½ | 2½ x 3½ | 2 x 2½  | 3.2  | 6.90    |
| PM8407 |           |     |     |     |        |     | 3½ | 2½ x 3  | 2 x 2½  |      |         |
| PC8408 | 340-0-340 | 70  | 5.0 | 2.0 | 6.3 CT | 2.5 | 3½ | 3 x 3½  | 2½ x 2½ | 3.8  | 7.95    |
| PM8408 |           |     |     |     |        |     | 3½ | 2½ x 3½ | 2½ x 2½ |      |         |
| PC8409 | 350-0-350 | 90  | 5.0 | 2.0 | 6.3 CT | 3.0 | 3½ | 3 x 3½  | 2½ x 2½ | 4.5  | 8.95    |
| PM8409 |           |     |     |     |        |     | 3½ | 2½ x 3½ | 2½ x 2½ |      |         |
| PC8410 | 360-0-360 | 120 | 5.0 | 3.0 | 6.3 CT | 3.5 | 4  | 3½ x 3½ | 2½ x 2½ | 5.5  | 9.65    |
| PM8410 |           |     |     |     |        |     | 3½ | 3½ x 3½ | 2½ x 3½ |      |         |
| PC8411 | 375-0-375 | 150 | 5.0 | 3.0 | 6.3 CT | 4.5 | 4½ | 3½ x 4  | 2½ x 2½ | 5.8  | 11.55   |
| PM8411 |           |     |     |     |        |     | 3½ | 3½ x 4½ | 2½ x 3½ |      |         |
| PC8412 | 400-0-400 | 200 | 5.0 | 3.0 | 6.3 CT | 5.0 | 4½ | 4 x 4   | 3 x 2½  | 8.2  | 13.25   |
| PM8412 |           |     |     |     |        |     | 3½ | 3½ x 4½ | 3 x 3½  |      |         |
| PC8413 | 400-0-400 | 250 | 5.0 | 4.0 | 6.3 CT | 5.0 | 4½ | 4 x 4½  | 3 x 3½  | 10.0 | 16.30   |
| PC8414 | 600-0-600 | 200 | 5.0 | 3.0 | 6.3    | 3.0 | 4½ | 4 x 4½  | 3 x 3½  | 8.3  | 16.40   |
|        |           |     |     |     | 6.3    | 3.0 |    |         |         |      |         |

### POWER TRANSFORMERS FOR USE WITH 6AX5, 6X4, 6X5, OR SELENIUM RECTIFIERS

|        |            |    |     |     |      |     |    |         |         |     |        |
|--------|------------|----|-----|-----|------|-----|----|---------|---------|-----|--------|
| PS8415 | 125 ½-wave | 15 |     |     | 6.3  | 0.6 | 2  | 2½ x 1½ | 2       | 0.7 | \$2.90 |
| PS8416 | 125-0-125  | 25 |     |     | 6.3  | 1.0 | 2½ | 2½ x 1½ | 2½      | 1.0 | 3.60   |
| PA8421 | 125 ½-wave | 50 |     |     | 6.3  | 2.0 | 2½ | 3½ x 2½ | 3½      | 1.5 | 4.75   |
| PC8417 | 220-0-220  | 50 | 6.3 | 0.6 | 25.2 | 0.5 | 3½ | 2½ x 2½ | 2 x 1½  | 2.2 | 6.70   |
| PC8418 |            |    |     |     | 6.3  | 2.5 | 3½ | 2½ x 2½ | 2 x 1½  | 2.2 | 5.95   |
| PM8418 | 230-0-230  | 50 |     |     | 6.3  | 2.5 | 2½ | 2½ x 3  | 2 x 2½  |     |        |
| PC8419 | 240-0-240  | 70 |     |     | 6.3  | 3.0 | 3½ | 2½ x 2½ | 2 x 1½  | 2.6 | 6.80   |
| PM8419 |            |    |     |     | 6.3  | 3.0 | 2½ | 2½ x 3  | 2 x 2½  |     |        |
| PC8420 | 260-0-260  | 90 |     |     | 6.3  | 4.0 | 3½ | 3 x 3½  | 2 x 2½  | 3.5 | 7.60   |
| PM8420 |            |    |     |     | 6.3  | 4.0 | 3½ | 2½ x 3½ | 2½ x 2½ |     |        |

### CATHODE RAY TUBE POWER TRANSFORMERS

For use with type 2X2 rectifier tubes in a conventional half-wave high voltage supply.

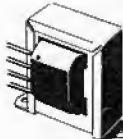
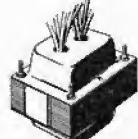
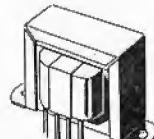
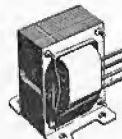
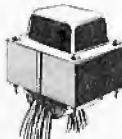
| PART NO. | PLATE SUPPLY<br>A.C. VOLTS | RECTIFIER<br>FILAMENT<br>D.C. MILLIAMPS. | RECTIFIER<br>VOLTS | AMPS. | OTHER<br>WINDINGS<br>VOLTS | AMPS.         | MTG.<br>TYPE | HEIGHT<br>OVERALL | BASE<br>AREA | MTG.<br>CTRS. | SHPG. WT.<br>IN LBS. | LIST<br>PRICE |
|----------|----------------------------|--|--------------------|-------|----------------------------|---------------|--------------|-------------------|--------------|---------------|----------------------|---------------|
| P-8150   | 1,550 half-wave            | 1.5                                      | 2.5                | 1.75  |                            |               | TD           | 3½                | 3 x 2½       | 2½ x 1½       | 1.8                  | \$ 9.75       |
| P-8151   | 2,400 half-wave            | 5.0                                      | 2.5                | 2.0   | 2.5                        | 2.0           | C            | 4½                | 3½ x 3½      | 2½ x 2½       | 6.4                  | 14.80         |
| *P-8185  | 1,750 half-wave            | 2.0                                      | 2.5                | 2.0   | 6.3                        | 0.9<br>or 2.5 | C            | 3½                | 2½ x 3       | 2 x 1½        | 2.7                  | 11.80         |

### PHOTOFLOOD POWER TRANSFORMER

| PART NO. | APPLICATION   | PRI.                 | SEC.                                      | MTG.<br>TYPE | HEIGHT<br>OVERALL | BASE<br>AREA | MTG.<br>CTRS. | SHPG. WT.<br>IN LBS. | LIST<br>PRICE |
|----------|---|----------------------|---|--------------|-------------------|--------------|---------------|----------------------|---------------|
| *P-6425  | For use in Sprague electronic flash circuits. See Sprague Electronic Flash Handbook C-703 | 105/115/125V. 60 cy. | Charges up to 1050 mfd. to 450 Volts D.C. | S            | 2½                | 2½ x 2       | 2½            | 1.4                  | \$4.75        |

\*Primary for 117/107 volts. All Primary Windings are for 117V-60 cycle operation unless otherwise indicated.

\*New part number.





# POWER

SEE PAGE 2 FOR ADDITIONAL POWER TRANSFORMERS

## COMBINATION PLATE AND FILAMENT SUPPLY

| PART NO. | PLATE SUPPLY<br>A.C. VOLTS | D.C. MA. | REC. FIL.<br>VOLTS—AMPS. | OTHER WINDINGS<br>VOLTS—AMPS. | MTG. TYPE | HEIGHT<br>OVERALL | BASE<br>AREA | MTG.<br>CTRS. | SHPG. WT.<br>IN LBS. | LIST<br>PRICE |     |         |
|----------|----------------------------|----------|--------------------------|-------------------------------|-----------|-------------------|--------------|---------------|----------------------|---------------|-----|---------|
| P-6001   | 325-0-325                  | 40       | 5.0 CT                   | 2.0                           | 2.5 CT    | 4.0               | M            | 2 1/4         | 2 1/2 x 3            | 2 x 2 1/2     | 2.5 | \$ 7.95 |
| P-6002   | 350-0-350                  | 50       | 5.0 CT                   | 2.0                           | 2.5 CT    | 7.25              | M            | 3 1/4         | 2 1/2 x 3            | 2 x 2 1/2     | 3.0 | 9.90    |
| P-6003   | 350-0-350                  | 70       | 5.0 CT                   | 2.0                           | 2.5 CT    | 9.0               | M            | 3 1/4         | 2 1/2 x 3 3/8        | 2 1/2 x 2 1/4 | 3.7 | 11.30   |
| P-6005   | 350-0-350                  | 70       | 5.0 CT                   | 3.0                           | 2.5 CT    | 9.0               | M            | 4 1/4         | 2 1/2 x 3 3/8        | 2 1/2 x 2 1/4 | 4.8 | 7.75    |
| P-6009   | 275-0-275                  | 70       | 5.0 CT                   | 3.0                           | 2.5 CT    | 10.5              | M            | 3 1/4         | 2 1/2 x 3 3/8        | 2 1/2 x 2 1/4 | 3.8 | 11.85   |
| P-6009   |                            |          |                          |                               | 5.0 CT    | 0.5               |              |               |                      |               |     |         |
| P-4042   | 350-0-350                  | 70       | 5.0                      | 3.0                           | 2.5 CT    | 3.5               | C            | 4             | 3 1/4 x 3            | 2 1/2 x 1 1/4 | 3.8 | 11.90   |
| P-4047   | 350-0-350                  | 70       | 5.0                      | 3.0                           | 2.5 CT    | 9.0               | C            | 4             | 3 1/4 x 3            | 2 1/2 x 1 1/4 | 3.8 | 11.20   |
| P-6004   | 350-0-350                  | 90       | 5.0 CT                   | 3.0                           | 2.5 CT    | 12.5              | M            | 3             | 3 1/4 x 3 3/4        | 2 1/2 x 3 1/2 | 4.2 | 10.20   |
| P-4043   | 350-0-350                  | 90       | 5.0                      | 3.0                           | 2.5 CT    | 3.5               | C            | 4 1/4         | 3 1/4 x 3 3/8        | 2 1/2 x 2 1/4 | 4.8 | 13.05   |
| P-4048   | 350-0-350                  | 90       | 5.0                      | 3.0                           | 2.5 CT    | 10.0              | C            | 4 1/4         | 3 1/4 x 3 3/8        | 2 1/2 x 2 1/4 | 5.2 | 12.55   |
| P-6007   | 400-0-400                  | 110      | 5.0 CT                   | 3.0                           | 2.5 CT    | 15.0              | M            | 3 1/4         | 3 1/4 x 3 3/4        | 2 1/2 x 3 1/2 | 5.4 | 12.50   |
| P-6007   |                            |          |                          |                               | 2.5 CT    | 3.5               |              |               |                      |               |     |         |
| P-6290†  | 350-0-350                  | 120      | 5.0 CT                   | 3.0                           | 6.3 CT    | 4.7               | M-2          | 3 1/4         | 3 1/4 x 3 3/8        | 2 1/2 x 3 1/2 | 5.4 | 13.60   |
| P-6006   | 350-0-350                  | 120      | 5.0 CT                   | 3.0                           | 2.5 CT    | 12.5              | M            | 3 1/4         | 3 1/4 x 3 3/8        | 2 1/2 x 3 1/2 | 5.5 | 13.20   |
| P-3005   | 360-0-360<br>80v Bias      | 125      | 5.0 CT                   | 3.0                           | 2.5 CT    | 10.0              | C            | 4 1/4         | 4 x 3 3/8            | 3 x 2 1/4     | 8.0 | 17.95   |
| P-6008   | 375-0-375                  | 180      | 5.0 CT                   | 3.0                           | 2.5 CT    | 6.0               | M-2          | 3 1/4         | 3 1/2 x 4 1/8        | 2 1/2 x 3 3/4 | 6.2 | 14.20   |
| P-6143   | 440-0-440                  | 130      | 5.0                      | 3.0                           | 6.3 CT    | 3.5               | C            | 4 1/4         | 3 1/4 x 3 3/8        | 2 1/2 x 2 1/4 | 7.0 | 13.50   |
| P-4004   | 400-0-400<br>80v Bias      | 175      | 5.0 CT                   | 3.0                           | 2.5       | 1.75              | C            | 4 1/4         | 4 x 3 3/8            | 3 x 2 1/4     | 8.3 | 15.80   |
| P-5059   | 337.5-0-337.5              | 200      | 5.0 CT                   | 3.0                           | 6.3 CT    | 5.0               | C            | 4 1/4         | 4 x 4 1/4            | 3 x 3 1/4     | 9.6 | 15.35   |
| P-6315   | 370-0-370                  | 275      | 5.0 CT                   | 3.0                           | 6.3 CT    | 7.0               | M            | 4 1/4         | 3 1/4 x 4 1/2        | 3 x 3 1/4     | 9.3 | 17.70   |

## VIBRATOR TRANSFORMERS WITH 6 VOLT D.C. PRIMARY

| PART NO. | SECONDARY A.C. VOLTS | SECONDARY VOLTS | D.C. TO FILTER—MA. | RECOMMENDED BUFFER CAP. | MTG. TYPE* | HEIGHT OVERALL | BASE AREA     | MTG. CTRS.    | SHPG. WT. IN LBS. | LIST PRICE |
|----------|----------------------|-----------------|--------------------|-------------------------|------------|----------------|---------------|---------------|-------------------|------------|
| P-6301   | 210-0-210            | 150             | 40                 | 0.008 mfd.              | S          | 2 1/4          | 2 1/2 x 1 1/4 | 2 1/2         | 1.2               | \$4.60     |
| P-4060   | 240-0-240            | 225             | 40                 | 0.008 mfd.              | N          | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 2         | 2.5               | 5.95       |
| P-4061   | 290-0-290            | 250             | 50                 | 0.006 mfd.              | N          | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 2         | 2.5               | 5.90       |
| P-4062   | 300-0-300            | 260             | 65                 | 0.006 mfd.              | N          | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 2         | 2.3               | 6.50       |
| P-4063   | 320-0-320            | 285             | 75                 | 0.006 mfd.              | N          | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 2 1/4     | 2.8               | 8.25       |
| P-6131   | 370-0-370            | 330             | 100                | 0.007 mfd.              | N          | 3 1/2          | 2 1/2 x 2 1/2 | 2 1/2 x 2 1/4 | 3.5               | 8.90       |

## VIBRATOR TRANSFORMER WITH 6 VOLT D.C. AND 117 VOLT A.C. PRIMARIES

|                                  |           |     |           |   |       |           |           |     |         |
|----------------------------------|-----------|-----|-----------|---|-------|-----------|-----------|-----|---------|
| P-6166                           | 350-0-350 | 135 | 0.01 mfd. | C | 4 1/4 | 4 x 3 3/8 | 3 x 2 1/4 | 6.9 | \$14.90 |
| Filament—6.3 volts at 2.25 Amps. |           |     |           |   |       |           |           |     |         |

## AUTO RADIO VIBRATOR TRANSFORMERS—EXACT DUPLICATE

Exact duplicate of mounting type used in original equipment.  
For detailed drawings, see Howard W. Sams Auto Radio Manual.

| PART NO. | ORIGINAL PART NO.                          | TRADE NAME  | D.S. VOLTS AT FILTER INPUT | D.C. MA. | RECOMMENDED BUFFER CAP. | HEIGHT OVERALL | BASE AREA     | SHPG. WT. IN LBS. | LIST PRICE |
|----------|--|---|----------------------------|----------|-------------------------|----------------|---------------|-------------------|------------|
| P-4064   | 7240519                                    | United Motors (Delco)   | 280                        | 65       | 0.015-0.015 mfd.        | 4 1/16         | 2 1/2 x 2 1/2 | 2.6               | \$10.40    |
| P-4065   | 7255881                                    | United Motors (Delco)   | 265                        | 56       | 0.006 mfd.              | 3 1/4          | 2 1/2 x 2 1/2 | 2.5               | 9.90       |
| P-6470   | 140-111                                    | Regal (5-tube univ. series)   | 145                        | 50       | 0.009 mfd.              | 2 1/4          | 2 1/4 x 2 1/4 | 1.4               | 6.75       |
| P-6471   | 25B472533                                  | Motorola (408, 508, etc.)   | 235                        | 70       | 0.006 mfd.              | 3              | 3 1/4 x 2 1/4 | 2.0               | 6.90       |
| P-6472   | D 71014<br>C 217020<br>C 71014<br>25B70950 | Colonial-Detroitla No. 8072<br>Colonial-Bendix M1<br>Colonial-Motorola<br>Motorola (405, 505, etc.) | 270                        | 56       | 0.007 mfd.              | 2 1/2          | 2 1/2 x 2 1/2 | 2.0               | 6.90       |
| P-6473   | 95-1073                                    | Zenith  | 272                        | 73       | 0.008 mfd.              | 3 1/2          | 2 1/2 x 2 1/2 | 2.4               | 7.85       |
| P-6474   | 95-1066                                    | Zenith  | 240                        | 52.5     | 0.008 mfd.              | 3 1/2          | 2 1/2 x 2 1/2 | 2.2               | 7.00       |
| P-6476   | D70267<br>C70267                           | Colonial-Detroitla No. 7070<br>Col.-Mot.-Det. No. 8030  | 220                        | 53.5     | 0.008 mfd.              | 2 1/2          | 2 1/2 x 2 1/2 | 2.0               | 7.10       |

## SPEAKER FIELD SUPPLY TRANSFORMER

| PART NO. | PLATE SUPPLY<br>A.C. VOLTS | DCMA | RECTIFIER FILAMENT<br>VOLTS—AMPERES | MTG. TYPE | HEIGHT<br>OVERALL | BASE<br>AREA | MTG.<br>CTRS. | SHPG. WT.<br>IN LBS. | LIST<br>PRICE |         |
|----------|----------------------------|------|-------------------------------------|-----------|-------------------|--------------|---------------|----------------------|---------------|---------|
| P-6146   | 120-0-120                  | 250  | 5.0                                 | 3.0       | C                 | 4            | 3 1/4 x 3 1/8 | 2 1/2 x 1 1/4        | 4.2           | \$10.40 |

## SPEAKER FIELD SUBSTITUTE CHOKE

| PART NO. | D.C. RESISTANCE   | MAX. CURRENT   | MTG. TYPE | HEIGHT<br>OVERALL | BASE<br>AREA  | MTG.<br>CTRS. | SHPG. WT.<br>IN LBS. | LIST<br>PRICE |
|----------|---|--|-----------|-------------------|---------------|---------------|----------------------|---------------|
| C-2302   | 1750/1000/750/500 ohms<br>3000/2500/2250/2000/1500/500 ohms | 60 ma. cont. or 75 ma. int.<br>40 ma. cont. or 55 ma. int. | N         | 3 1/2             | 2 1/2 x 2 1/2 | 2 1/2 x 2 1/2 | 3.1                  | \$8.30        |

## CONDENSER TESTER POWER TRANSFORMER

| PART NO. | PLATE SUPPLY<br>A.C. VOLTS | DCMA     | FIL. WDGS.<br>VOLTS<br>AMPS. | OVERALL<br>DIMENSIONS | MOUNTINGS<br>TYPE                      | SHPG. WT.<br>IN LBS. | LIST<br>PRICE |        |
|----------|----------------------------|----------|------------------------------|-----------------------|--|----------------------|---------------|--------|
| *P-6459  | 550<br>55                  | 30<br>60 | 6.3<br>6.3                   | 0.9<br>0.6            | L<br>2 1/2<br>W<br>2 1/4<br>D<br>2 1/4 | Coil and<br>Iron     | 1.4           | \$7.25 |

\*Use special brackets from replaced transformer.

All Primary Windings for 117V-60 cycle operation unless otherwise indicated.

†Has 18/24/50 V. motor-tuner winding for intermittent duty.

‡Designates part number to be removed from next catalog.

\*New part number.



# FILTER CHOKES

## SMOOTHING CHOKES—FOR D.C. POWER SUPPLIES

Inductance varies with the amount of D.C. flowing through the coil. Therefore these units have been tested under uniform conditions. They are rated

at 10 volts, 60 cycles, with maximum D.C. in winding. Tolerance of minus 15%, plus 50% is maintained on all ratings.

| PART NO. | RATING INDUC. AT DCMA | D.C. RES. IN OHMS | R.M.S. V. INSUL. | MTG. TYPE | HEIGHT OVERALL | BASE AREA | MTG. CTRS. | SHPG. WT. IN LBS. | LIST PRICE |
|----------|-----------------------|-------------------|------------------|-----------|----------------|-----------|------------|-------------------|------------|
| C-1515   | 20.0 hy. at 15 ma.    | 900               | 1500             | A         | 1½             | 2½ x 1½   | 2½         | 0.7               | \$ 2.00    |
| C-1706   | 4.5 hy. at 50 ma.     | 300               | 1500             | A         | 1½             | 2½ x 1½   | 2          | 0.4               | 1.65       |
| C-1707   | 7.0 hy. at 50 ma.     | 550               | 1500             | A         | 1½             | 2½ x 1½   | 2          | 0.4               | 1.80       |
| C-1003   | 16.0 hy. at 50 ma.    | 580               | 1500             | A         | 2              | 3¼ x 1½   | 2⅓         | 1.1               | 2.25       |
| C-1708   | 13.0 hy. at 65 ma.    | 500               | 1500             | A         | 2              | 3¼ x 1½   | 2⅓         | 1.0               | 2.75       |
| C-1355   | 8.0 hy. at 75 ma.     | 290               | 1500             | L         | 2½             | 2½ x 1½   | 1¾ x 1½    | 1.0               | 2.75       |
| C-1002   | 15.0 hy. at 75 ma.    | 400               | 1500             | A         | 2½             | 3¼ x 2½   | 3½         | 1.7               | 3.00       |
| C-1420   | 16.0 hy. at 80 ma.    | 360               | 1500             | C         | 3½             | 2½ x 2½   | 2 x 11½    | 2.5               | 4.90       |
| C-1709   | 8.0 hy. at 85 ma.     | 250               | 1500             | A         | 2              | 3¼ x 2    | 2⅓         | 1.4               | 3.10       |
| C-2305   | 5.0 hy. at 100 ma.    | 300               | 1500             | TD        | 2⅓             | 2½ x 2½   | 2½ x 1½    | 1.5               | 4.25       |
| C-1001   | 10.5 hy. at 110 ma.   | 225               | 3000             | A         | 2½             | 4 x 2½    | 3½         | 2.3               | 4.10       |
| C-2303   | 2.5 hy. at 130 ma.    | 100               | 2000             | A         | 2              | 3¼ x 1½   | 2⅓         | 1.0               | 2.80       |
| C-1421   | 7.0 hy. at 140 ma.    | 165               | 3000             | C         | 3½             | 2½ x 2½   | 2 x 11½    | 2.5               | 5.60       |
| C-2304   | 2.3 hy. at 150 ma.    | 60                | 1500             | A         | 2              | 3¼ x 1½   | 2⅓         | 1.0               | 2.90       |
| C-2309   | 3.0 hy. at 150 ma.    | 90                | 2000             | A         | 2½             | 3½ x 2½   | 3½         | 1.7               | 3.50       |
| C-1710   | 7.0 hy. at 150 ma.    | 200               | 1500             | A         | 2½             | 4 x 2½    | 2½ x 3½    | 2.2               | 4.50       |
| C-1410   | 4.0 hy. at 175 ma.    | 100               | 3000             | C         | 3½             | 2½ x 2½   | 2 x 11½    | 2.4               | 5.70       |
| *C-2327  | 1.5 hy. at 200 ma.    | 85                | 1500             | A         | 1½             | 2½ x 1½   | 2½         | 0.8               | 2.20       |
| C-2325   | 2.0 hy. at 200 ma.    | 60                | 1500             | A         | 2½             | 3½ x 2½   | 3½         | 1.8               | 3.50       |
| C-1646   | 5.0 hy. at 200 ma.    | 90                | 5000             | C         | 4              | 3½ x 3½   | 2½ x 2½    | 4.5               | 8.15       |
| C-1411   | 4.5 hy. at 200 ma.    | 80                | 3000             | C         | 3½             | 3 x 3½    | 2½ x 2     | 3.5               | 6.50       |
| C-1721   | 8.5 hy. at 200 ma.    | 120               | 3000             | N         | 3½             | 3½ x 3    | 3½ x 2½    | 4.4               | 7.45       |
| C-1703   | 4.0 hy. at 250 ma.    | 60                | 3000             | B         | 3½             | 2½ x 3½   | 2½ x 2½    | 4.2               | 8.25       |
| C-1412   | 4.0 hy. at 250 ma.    | 60                | 3000             | C         | 3½             | 3 x 3½    | 2½ x 2½    | 4.3               | 9.50       |
| C-2326   | 1.0 hy. at 300 ma.    | 43                | 1500             | A         | 2½             | 3½ x 2½   | 3½         | 1.7               | 3.95       |
| C-1722   | 8.0 hy. at 300 ma.    | 80                | 3000             | N         | 4½             | 3½ x 3½   | 3 x 2½     | 7.3               | 12.00      |
| C-2308   | 8.0 hy. at 300 ma.    | 80                | 3000             | C         | 4½             | 4 x 3½    | 3 x 2½     | 7.8               | 12.50      |
| C-1413   | 8.0 hy. at 300 ma.    | 80                | 5000             | D         | 4½             | 4 x 4½    | 3 x 2½     | 7.8               | 12.15      |
| *C-2328  | 0.8 hy. at 375 ma.    | 25                | 1500             | A         | 2½             | 3½ x 2    | 3½         | 1.5               | 4.45       |
| C-1414   | 7.5 hy. at 400 ma.    | 60                | 5000             | D         | 4½             | 4 x 5½    | 3 x 3½     | 11.8              | 17.50      |
| C-1415   | 6.0 hy. at 500 ma.    | 75                | 7500             | FS        | 7½             | 6½ x 7    | 4½ x 3½    | 23.7              | 40.50      |

## SWINGING CHOKES—FOR INPUT SECTION OF D.C. POWER SUPPLIES

Inductance varies with the amount of D.C. flowing through the coil. Therefore these units have been tested under uniform conditions. Swinging chokes are

are rated at 10 volts, 60 cycles, from maximum to 10% of maximum D.C. in winding. Tolerance of minus 15%, plus 50% is maintained on all ratings.

| PART NO. | MIN. SWG. INDUC. | D.C. RES. IN OHMS | APPROX. RANGE OF INDUC. AT DCMA | R.M.S. V. INSUL. | MTG. TYPE | HEIGHT OVERALL | BASE AREA | MTG. CTRS. | SHPG. WT. IN LBS. | LIST PRICE |
|----------|------------------|-------------------|---------------------------------|------------------|-----------|----------------|-----------|------------|-------------------|------------|
| C-1718   | 10 hy.           | 130               | 13.5-3.5 hy. at 15-150          | 2000             | C         | 3½             | 2½ x 2½   | 2 x 1½     | 2.3               | \$ 5.60    |
| C-1400   | 10 hy.           | 100               | 12-2 at 17.5-175                | 3000             | C         | 3½             | 2½ x 2½   | 2 x 11½    | 2.4               | 6.25       |
| C-1401   | 10 hy.           | 80                | 12-2 at 20-200                  | 3000             | C         | 3½             | 3 x 3½    | 2½ x 2½    | 3.5               | 7.15       |
| C-1645   | 10 hy.           | 90                | 12-2 at 20-200                  | 5000             | C         | 4              | 3½ x 3½   | 2½ x 2½    | 4.5               | 8.25       |
| C-1702   | 10 hy.           | 60                | 12-2 at 25-250                  | 3000             | B         | 3½             | 2½ x 3½   | 2½ x 2½    | 4.3               | 8.25       |
| C-1402   | 10 hy.           | 60                | 12-2 at 25-250                  | 3000             | C         | 3½             | 3 x 3½    | 2½ x 2½    | 4.3               | 9.50       |
| C-1720   | 16 hy.           | 80                | 20-4 at 30-300                  | 3000             | N         | 4½             | 3½ x 3½   | 3 x 2½     | 7.2               | 11.75      |
| C-2307   | 16 hy.           | 80                | 20-4 at 30-300                  | 3000             | C         | 4½             | 4 x 3½    | 3 x 3½     | 7.9               | 13.75      |
| C-1403   | 16 hy.           | 80                | 20-4 at 30-300                  | 5000             | D         | 4½             | 4 x 4½    | 3 x 2½     | 7.7               | 11.95      |
| C-1404   | 14 hy.           | 60                | 17-3 at 40-400                  | 5000             | D         | 4½             | 4 x 5½    | 3 x 3½     | 11.7              | 17.50      |
| C-1405   | 12 hy.           | 75                | 16-4 at 50-500                  | 7500             | FS        | 7½             | 6½ x 7    | 4½ x 3½    | 24.3              | 36.00      |

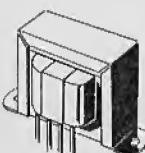
## SMOOTHING CHOKES—FOR USE IN A.C.-D.C. POWER SUPPLIES

Inductance varies with the amount of D.C. flowing through the coil. Therefore these units have been tested under uniform conditions. Filter chokes are

rated at 10 volts, 60 cycles, with maximum D.C. in winding. Tolerance of minus 15%, plus 50% is maintained on all ratings.

| PART NO. | RATING INDUC. AT DCMA | D.C. RES. IN OHMS | R.M.S. V. INSUL. | MTG. TYPE | HEIGHT OVERALL | BASE AREA | MTG. CTRS. | SHPG. WT. IN LBS. | LIST PRICE |
|----------|-----------------------|-------------------|------------------|-----------|----------------|-----------|------------|-------------------|------------|
| C-1080   | 3.5 hy. at 50 ma.     | 200               | 1500             | A         | 1½             | 2½ x 1½   | 2½         | 0.7               | \$ 1.95    |
| C-1325   | 5.0 hy. at 50 ma.     | 250               | 1500             | A         | 1½             | 2½ x 1½   | 2½         | 0.7               | 2.10       |
| C-1277   | 7.0 hy. at 50 ma.     | 300               | 1500             | A         | 1½             | 2½ x 1½   | 2½         | 0.7               | 2.25       |
| C-1723   | 4.5 hy. at 50 ma.     | 325               | 1500             | A         | 1½             | 2½ x 1½   | 2          | 0.4               | 1.75       |
| C-1227   | 7.0 hy. at 50 ma.     | 350               | 1500             | A         | 1½             | 2½ x 1½   | 2½         | 0.7               | 2.25       |
| C-1279   | 8.5 hy. at 50 ma.     | 400               | 1500             | A         | 1½             | 2½ x 1½   | 2½         | 0.7               | 2.00       |
| C-1333   | 8.0 hy. at 50 ma.     | 450               | 1500             | A         | 1½             | 2½ x 1½   | 2½         | 0.7               | 2.00       |
| C-1215   | 9.0 hy. at 50 ma.     | 500               | 1500             | A         | 1½             | 2½ x 1½   | 2½         | 0.7               | 1.85       |

\*New part number.



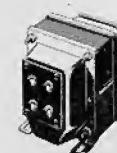
A



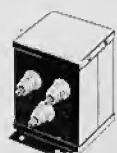
B



C



D



FA



FS

# FILAMENT



## FILAMENT TRANSFORMERS WITH SINGLE SECONDARY

| PART NO. | SECONDARY VOLTS | AMPERES | R.M.S. V. INSUL. | PRIMARY VOLTS | MTG. TYPE | HEIGHT OVERALL | BASE AREA     | MTG. CTRS.    | SHPG. WT. IN LBS. | LIST PRICE |
|----------|-----------------|---------|------------------|---------------|-----------|----------------|---------------|---------------|-------------------|------------|
| P-4026   | 2.5             | 1.5     | 2,500            | 117           | A         | 1 1/8          | 2 1/2 x 1 1/2 | 2 1/2         | 0.7               | \$ 3.25    |
| P-4082   | 2.5 CT          | 2.5     | 2,500            | 117/107       | TD        | 2 1/4          | 2 1/2 x 2 1/4 | 2 1/2 x 1 1/2 | 1.5               | 6.40       |
| P-6133   | 2.5 CT          | 5.0     | 7,500            | 117           | S         | 2 1/4          | 3 1/2 x 2 1/4 | 2 1/4         | 1.5               | 5.15       |
| P-4083   | 2.5 CT          | 6.0     | 2,500            | 117/107       | C         | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 1 1/4     | 2.2               | 6.70       |
| P-3024   | 2.5 CT          | 10.0    | 2,500            | 117/107       | C         | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 1 1/4     | 2.5               | 6.80       |
| P-3060   | 2.5 CT          | 10.0    | 10,000           | 117           | B         | 3 1/2          | 2 1/2 x 2 1/2 | 2 1/2 x 1 1/2 | 2.5               | 6.25       |
| P-3025   | 2.5 CT          | 10.0    | 10,000           | 117/107       | FA        | 5 1/2          | 4 1/4 x 8 1/2 | 2 1/2 x 6     | 10.7              | 19.75      |
| P-3026   | 5.0 CT          | 3.0     | 2,500            | 117/107       | C         | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 1 1/4     | 2.4               | 6.80       |
| P-4088   | 5.0 CT          | 3.0     | 2,500            | 117           | B         | 3 1/8          | 2 1/2 x 2 1/2 | 2 x 1 1/2     | 1.8               | 4.95       |
| P-6467   | 5.0 CT          | 3.0     | 2,500            | 117           | A         | 2              | 3 1/4 x 2     | 2 1/4         | 1.4               | 4.25       |
| P-3062   | 5.0 CT          | 6.0     | 2,500            | 117           | B         | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 2         | 2.3               | 5.75       |
| P-5000   | 5.0 CT          | 6.0     | 2,500            | 117/107       | C         | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 1 1/4     | 3.1               | 7.90       |
| P-6135   | 5.0 CT          | 10.0    | 2,500            | 117           | N         | 3 1/2          | 2 1/2 x 2 1/2 | 2 x 2 1/2     | 3.0               | 6.40       |
| P-4086   | 5.0 CT          | 14.0    | 10,000           | 117/107       | FA        | 5 1/2          | 4 1/2 x 8 1/2 | 2 1/2 x 6     | 12.3              | 22.50      |
| P-6302   | 5.0 CT          | 22.0    | 10,000           | 117/107       | FA        | 5 1/2          | 4 1/2 x 8 1/2 | 2 1/2 x 6     | 13.5              | 24.60      |
| P-6468   | 5.0 CT          | 30.0    | 2,500            | 117/107       | D         | 4 1/4          | 3 1/4 x 3 1/2 | 2 1/2 x 2 1/4 | 4.3               | 14.35      |
| P-6305   | 5.0 CT          | 30.0    | 10,000           | 117/107       | FA        | 5 1/2          | 4 1/2 x 10    | 3 1/2 x 7 1/2 | 18.3              | 30.70      |
| P-6137   | 5.25 CT         | 13.0    | 2,500            | 117           | N         | 3 1/2          | 3 1/2 x 3 1/2 | 2 1/2 x 2 1/2 | 5.2               | 10.25      |
| P-6134   | 6.3 CT          | 1.2     | 2,500            | 117           | A         | 1 1/8          | 2 1/2 x 1 1/2 | 2 1/8         | 0.8               | 2.70       |
| P-8190   | 6.3             | 1.2     | 5,000            | 117           | A         | 2              | 3 1/4 x 1 1/2 | 2 1/4         | 1.0               | 3.45       |
| P-8191   | 6.3             | 1.2     | 5,000            | 6.3           | A         | 2              | 3 1/4 x 1 1/4 | 2 1/4         | 1.0               | 3.70       |
| P-5014   | 6.3 CT          | 3.0     | 2,500            | 117           | B         | 3 1/2          | 2 1/2 x 2 1/2 | 2 x 1 1/4     | 2.0               | 4.75       |
| P-6466   | 6.3 CT          | 3.0     | 2,500            | 117           | A         | 2              | 3 1/4 x 2     | 2 1/4         | 1.4               | 4.20       |
| P-4019   | 6.3 CT          | 4.0     | 2,500            | 117/107       | C         | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 1 1/4     | 2.7               | 6.55       |
| P-3064   | 6.3 CT          | 6.0     | 2,500            | 117           | B         | 3 1/4          | 2 1/2 x 2 1/2 | 2 x 2         | 2.4               | 5.80       |
| P-4089   | 6.3 CT          | 6.0     | 2,500            | 117/107       | C         | 3 1/4          | 3 x 3 1/2     | 2 1/2 x 2     | 3.5               | 7.50       |
| P-6308   | 6.3 CT          | 10.0    | 2,500            | 117/107       | N         | 3 1/2          | 2 1/2 x 2 1/2 | 2 1/2 x 2 1/2 | 3.4               | 6.95       |
| P-6309   | 6.3 CT          | 20.0    | 2,500            | 117/107       | N         | 4 1/2          | 3 1/4 x 3     | 3 x 2 1/2     | 6.7               | 12.90      |
| P-6164   | 6.3/5.2.5       | 2.5     | 2,500            | 117           | J         | 2 1/4          | 3 1/4 x 2 1/4 | 2 1/4         | 1.7               | 5.30       |
| P-5015   | 7.5 CT          | 4.0     | 2,500            | 117           | B         | 3 1/2          | 2 1/2 x 2 1/2 | 2 x 2 1/2     | 2.7               | 5.75       |
| P-4091   | 7.5 CT          | 5.0     | 2,500            | 117/107       | C         | 3 1/4          | 3 x 3         | 2 1/2 x 1 1/2 | 3.4               | 8.90       |
| P-6138   | 7.5 CT          | 8.0     | 2,500            | 117           | N         | 3 1/2          | 3 1/4 x 2 1/2 | 2 1/2 x 2 1/2 | 4.7               | 8.15       |
| P-4092   | 7.5 CT          | 8.0     | 2,500            | 117/107       | C         | 4              | 3 1/4 x 3 1/2 | 2 1/2 x 2 1/4 | 4.7               | 9.25       |
| P-5016   | 10.0 CT         | 4.0     | 2,500            | 117           | B         | 3 1/2          | 2 1/2 x 2 1/2 | 2 1/2 x 2 1/2 | 3.3               | 6.95       |
| P-4096   | 10.0 CT         | 5.0     | 2,500            | 117/107       | C         | 4              | 3 1/4 x 3 1/2 | 2 1/2 x 1 1/2 | 4.0               | 8.25       |
| P-6139   | 10.0 CT         | 8.0     | 2,500            | 117           | N         | 3 1/2          | 3 1/4 x 3 1/2 | 2 1/2 x 2 1/2 | 4.9               | 8.45       |
| P-4097   | 10.0 CT         | 8.0     | 2,500            | 117/107       | C         | 4              | 3 1/4 x 3 1/2 | 2 1/2 x 2 1/4 | 5.2               | 8.95       |
| P-5002   | 10.0 CT         | 12.0    | 7,500            | 117/107       | FA        | 5 1/2          | 4 1/2 x 8 1/2 | 2 1/2 x 6     | 14.7              | 23.65      |
| P-3020   | 11.0 CT         | 10.0    | 2,500            | 117/107       | C         | 4 1/4          | 4 x 3 1/2     | 3 x 2 1/4     | 7.7               | 13.25      |
| P-8130   | 12.6 CT         | 2.0     | 1,500            | 117           | A         | 2              | 3 1/4 x 2     | 2 1/4         | 1.4               | 4.65       |
| P-6469   | 25.2            | 1.0     | 1,500            | 117           | A         | 2              | 3 1/4 x 2     | 2 1/4         | 1.4               | 4.50       |

## FILAMENT TRANSFORMERS WITH MULTIPLE SECONDARY

|        |            |     |       |         |   |       |               |               |     |         |
|--------|------------|-----|-------|---------|---|-------|---------------|---------------|-----|---------|
| P-6144 | 2.5 CT     | 3.5 | 2,500 | 117     | C | 3 1/4 | 3 x 3 1/2     | 2 1/2 x 2     | 3.7 | \$10.35 |
|        | 5.0 CT     | 3.0 | 2,500 |         |   |       |               |               |     |         |
|        | 6.3 CT     | 3.0 | 2,500 |         |   |       |               |               |     |         |
| P-6338 | 2.5        | 3.0 | 2,500 | 117     | N | 3 1/2 | 2 1/2 x 2 1/2 | 2 1/2 x 2 1/2 | 3.4 | 9.80    |
|        | 5.0        | 3.0 | 2,500 |         |   |       |               |               |     |         |
|        | 5.0 CT     | 2.0 | 2,500 |         |   |       |               |               |     |         |
|        | 6.3 CT     | 3.0 | 2,500 |         |   |       |               |               |     |         |
| P-5009 | 5.0 CT     | 3.0 | 2,500 | 117/107 | C | 4     | 3 1/4 x 3 1/2 | 2 1/2 x 2 1/4 | 4.5 | 11.80   |
|        | 6.3 CT     | 6.0 | 2,500 |         |   |       |               |               |     |         |
| P-5008 | 5.0 CT     | 4.0 | 2,500 | 117/107 | C | 3 1/2 | 3 x 3 1/2     | 2 1/2 x 2 1/2 | 3.8 | 10.40   |
|        | 6.3 CT     | 3.6 | 2,500 |         |   |       |               |               |     |         |
| P-4022 | 5.0 CT     | 6.0 | 2,500 | 117/107 | C | 4     | 3 1/4 x 3 1/2 | 2 1/2 x 2 1/4 | 4.8 | 11.40   |
|        | 6.3 CT     | 6.0 | 2,500 |         |   |       |               |               |     |         |
| P-6333 | 5.0        | 3.0 | 2,500 | 117     | B | 3 1/2 | 2 1/2 x 3 1/2 | 2 1/2 x 2 1/4 | 4.7 | 11.40   |
|        | 5.0        | 3.0 | 2,500 |         |   |       |               |               |     |         |
|        | 6.3 CT     | 4.0 | 2,500 |         |   |       |               |               |     |         |
|        | 7.5/6.3 CT | 3.0 | 2,500 |         |   |       |               |               |     |         |

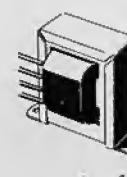
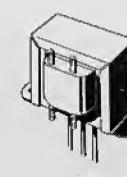
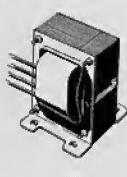
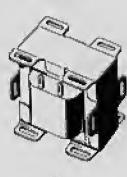
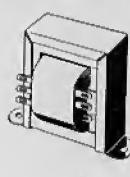
## TUBE CHECKER MULTI-TAPPED FILAMENT TRANSFORMER

| PART NO. | SECONDARY VOLTS   | PRIMARY VOLTS | MTG. TYPE | HEIGHT OVERALL | BASE AREA | MTG. CTRS. | SHPG. WT. IN LBS. | LIST PRICE |
|----------|---|---------------|-----------|----------------|-----------|------------|-------------------|------------|
| P-1834-3 | 1.1/ 1.4/ 1.5/ 2.0/ 2.5/ 3.0/ 3.3/ 5.0/ 6.3/ 7.0/ 7.5/ 12/ 25/ 30/ 35/ 50/ 70/ 85/ 110/ 117 | 125/115/105   | A         | 2 1/2          | 4 x 2     | 3 1/4      | 2.4               | \$12.90    |

\*All Primary Windings for 60 cycle operation.

†Designates part number to be removed from next catalog.

\*New part number.

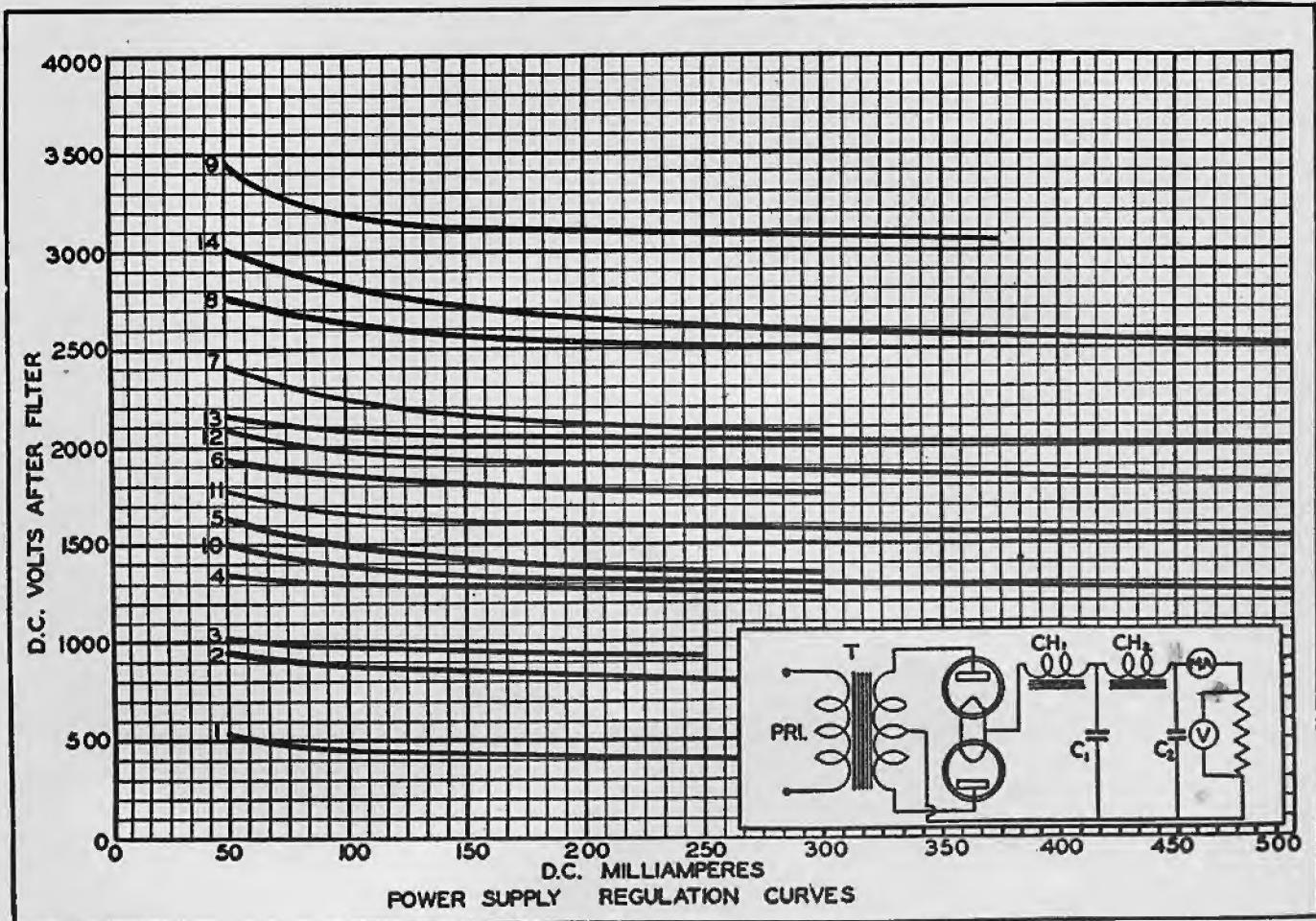


# Matched Power Supplies



A matched power supply is a necessity to a modern transmitter. It will reduce the primary line current and peak plate current of the rectifying tubes, thus giving improved power

supply regulation and longer tube life expectancy. Better regulation and lower ripple content may be expected because the chokes have been chosen for the optimum filtering action.



## MATCHED POWER SUPPLIES

| D.C.<br>VOLTS | D.C.<br>MA. | PLATE<br>TRANS. | CH. 1<br>SWINGING<br>CHOKE | CH. 2<br>FILTER<br>CHOKE | C 1<br>CAP. IN<br>MFD. | C 2<br>CAP. IN<br>MFD. | CURVE<br>NO. | FILAMENT<br>TRANS. NO. | RECTIFIER<br>TUBES | BLEEDER<br>RES.<br>OHMS | %<br>RIPPLE* |
|---------------|-------------|-----------------|----------------------------|--------------------------|------------------------|------------------------|--------------|------------------------|--------------------|-------------------------|--------------|
| 750/1000      | 250         | P-8045          | C-1403                     | C-1413                   | 2                      | 2                      | 3            | P-3024                 | 866/866A           | 35,000                  | 0.75%        |
| 1000/1250     | 300         | P-8026          | C-1403                     | C-1413                   | 2                      | 2                      | 4            | P-3025                 | 866/866A           | 40,000                  | 0.72%        |
| 1250/1500     | 300         | P-8028          | C-1403                     | C-1413                   | 2                      | 2                      | 5            | P-3025                 | 866/866A           | 50,000                  | 1.00%        |
| 1500/1750     | 300         | P-8030          | C-1403                     | C-1413                   | 2                      | 2                      | 6            | P-3025                 | 866/866A           | 55,000                  | 0.76%        |
| 1750/2000     | 300         | P-8032          | C-1403                     | C-1413                   | 2                      | 2                      | 7            | P-3025                 | 866/866A           | 65,000                  | 0.80%        |
| 2000/2500     | 300         | P-8034          | C-1403                     | C-1413                   | 2                      | 2                      | 8            | P-3025                 | 866/866A           | 80,000                  | 0.95%        |
| 1000/1250     | 500         | P-8027          | C-1405                     | C-1415                   | 2                      | 2                      | 10           | P-3025                 | 866/866A           | 25,000                  | 1.00%        |
| 1250/1500     | 500         | P-8029          | C-1405                     | C-1415                   | 2                      | 2                      | 11           | P-3025                 | 866/866A           | 30,000                  | 1.10%        |
| 1500/1750     | 500         | P-8031          | C-1405                     | C-1415                   | 2                      | 2                      | 12           | P-3025                 | 866/866A           | 35,000                  | 1.00%        |
| 1750/2000     | 500         | P-8033          | C-1405                     | C-1415                   | 2                      | 2                      | 13           | P-3025                 | 866/866A           | 40,000                  | 1.15%        |
| 2000/2500     | 500         | P-8035          | C-1405                     | C-1415                   | 2                      | 2                      | 14           | P-3025                 | 866/866A           | 50,000                  | 1.20%        |

\*Percent Ripple may be reduced to approximately one-half this value by doubling value of C2.

## BIAS SUPPLY CHART

| RECTIFIER TUBES     |                    | 5Z3            |                    | 5Z4            |                    | 80*            |                    | 83             |                 |
|---------------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|-----------------|
| STANCOR<br>PART NO. | D.C. TAP<br>RATING | CHOKE<br>INPUT | CONDENSER<br>INPUT | CHOKE<br>INPUT | CONDENSER<br>INPUT | CHOKE<br>INPUT | CONDENSER<br>INPUT | CHOKE<br>INPUT | COND'R<br>INPUT |
| P-6317              | 90                 | 68             | 87                 | 72             | 103                | 82             | 103                | 108            | 138             |
| P-6317              | 120                | 93             | 116                | 95             | 132                | 105            | 132                | 128            | 165             |
| P-6317              | 170                | 132            | 166                | 135            | 171                | 146            | 185                | 165            | 215             |
| P-6317              | 200                | 152            | 192                | 160            | 205                | 167            | 217                | 185            | 240             |
| P-6318              | 250                | 170            | 245                | 175            | 250                | 200            | 275                | 220            | ...             |
| P-6318              | 350                | 260            | 350                | 265            | 360                | 285            | 385                | 295            | ...             |
| P-6318              | 400                | 300            | 400                | 305            | 420                | 320            | 430                | 330            | ...             |
| P-6318              | 450                | 340            | 440                | 345            | 480                | 365            | 470                | 370            | ...             |

\*These voltages at 100 Ma. D.C.—All others at 200 Ma. D.C.